

Clean Water State Revolving Fund

Annual Report



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

2017

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I. Introduction

Missourians rely on a vast network of wastewater treatment infrastructure to protect public health and keep their waterways clean and safe. Since the program's inception, the Clean Water State Revolving Fund (SRF) has been one of Missouri's primary funding sources for making investments in communities and the future of our state. The Clean Water SRF, managed by the Missouri Department of Natural Resources' Financial Assistance Center, makes low-interest loans to local communities to help them meet their wastewater needs. The department is committed to protecting Missouri's water resources that are so important to public health and its economy.

This report details the activities undertaken to reach the goals and objectives set forth in the Intended Use Plan (IUP) developed for 2017. It also describes progress made toward long and short term program goals, the sources (e.g., federal grants) and uses (e.g. loans) of all funds, financial status of the Clean Water SRF, and compliance with federal Clean Water SRF requirements.

Missouri Clean Water State Revolving Fund 2017 Overview

Capitalization Grants Received: \$36,754,000

Number of SRF Direct Loans: 10 totaling \$176,820,000

Number of SRF Grants: 6 totaling \$7,284,352

Estimated Savings on 2017 Loans to Communities: \$62,635,174

Percent of Interest Savings to Communities: 70 percent

II. Executive Summary

This report addresses operation of the Clean Water SRF program during the time period from Oct. 1, 2016 through Sept. 30, 2017.

The state of Missouri's Clean Water SRF program was awarded a total of \$36,754,000 in Environmental Protection Agency (EPA) capitalization grants during the reporting period. Missouri made 10 direct loan commitments totaling \$176,820,000 and six SRF grants totaling \$7,284,352. The state made no leveraged loan commitments.

The Water and Wastewater Loan Revolving Fund (Fund 0602) was established to receive loan repayments, which are then used to make new loans. As of Sept. 30, 2017, the Water and Wastewater Loan Revolving Fund had a balance of \$226,831,129. The EPA capitalization grants balance totaled \$36,862,607. Outstanding commitments were \$160,990,295 and Missouri's state match general obligation bond commitments were

\$5,531,850. With these taken into consideration, the Clean Water SRF available cash as of Sept. 30, 2017 was \$97,171,591.

The Missouri Clean Water SRF Program received a total of \$1,199,382,631 in EPA capitalization grants and amendments through Sept. 30, 2017. The Clean Water SRF program has contributed state match of \$214,195,721, which includes \$98,136,141 of state appropriations, \$15,427,980 of general obligation state match bonds and \$100,631,600 of state match revenue bonds.

The state of Missouri has made 279 leveraged loan commitments totaling \$1,730,092,661; 116 direct loan commitments totaling \$1,083,980,680 (excludes 17 interim direct loans totaling \$118,654,836 that were refinanced as leveraged loans); 21 SRF grants totaling \$30,907,462; 44 American Recovery and Reinvestment Act (ARRA) grants totaling \$56,006,027; and 132 Ag loans totaling \$13,201,610 since the inception of the program in 1989.

Exhibit 1 lists all Clean Water SRF capitalization grant awards from program inception through this reporting period. Included in the award amounts are transfers from the Construction Grant Program to the SRF program. The amount of each Construction Grant transfer was in addition to the state's Clean Water SRF allotment. Exhibit 2 lists the schedule of SRF capitalization grant draws and required binding commitments for the Clean Water capitalization grant awards.

The Clean Water SRF program has never had a recipient in payment default on their loan. The table below is a summary of Clean Water SRF binding commitments.

Binding Commitment Summary

Reporting Period Binding Commitments	
Direct Loans	\$176,820,000
SRF Grants	\$7,284,352
Ag Loans	\$0
Binding Commitment	\$184,104,352
Cumulative Binding Commitments	
Leveraged Loans	\$1,730,092,661
Direct Loans (excludes Loans Paid w/LL)	\$1,083,980,680
SRF Grants	\$30,907,462
ARRA Grants	\$56,006,027
Ag Loans	\$13,201,610
Binding Commitment	\$2,914,188,440

III. 2017 Binding Commitments

The department entered into 10 direct loan commitments totaling \$176,820,000. The department also entered into six grant commitments totaling \$7,284,352. The following

tables list the loan and grant commitments that closed during this reporting period.

Clean Water SRF Direct Loans for 2017 Reporting Period

Recipient	Loan Amount	Date	Project ID
St. Joseph (refinanced with C295699-05)	\$10,000,000	10/06/2016	C295699-03
Pierce City	\$496,000	11/10/2016	C295696-01L
Renick	\$429,000	12/12/2016	C295806-01L
Madison	\$1,616,000	12/20/2016	C295658-01L
New London	\$879,000	12/21/2016	C295728-01L
Wellsville	\$595,000	12/21/2016	C295807-01L
MSD	\$20,000,000	12/22/2016	C295023-38
MSD	\$75,500,000	12/22/2016	C295023-39
Chamois	\$455,000	04/27/2017	C295703-01L
St. Joseph	\$66,850,000	08/23/2017	C295699-05
2017 Total	\$176,820,000		

Clean Water SRF Grants for 2017 Reporting Period

Recipient	Grant Amount	Date	Project ID
Pierce City	\$494,860	11/10/2016	C295696-01G
Renick	\$425,590	12/12/2016	C295806-01G
Madison	\$1,570,468	12/20/2016	C295658-01G
New London	\$2,315,460	12/21/2016	C295728-01G
Wellsville	\$1,555,159	12/21/2016	C295807-01G
Chamois	\$922,815	04/25/2017	C295703-01G
2017 Total	\$7,284,352		

IV. Cumulative Binding Commitments

Exhibit 3 shows a summary of the cumulative leveraged loan commitments, by bond series, since inception of the program and the Metropolitan St. Louis Sewer District (MSD) loan commitments executed as short-term notes. The cumulative leveraged loan binding commitment is \$1,730,092,661.

The cumulative Clean Water SRF binding commitment (leveraged loan, direct loan and grant commitments) total is \$2,914,188,440. Refer to Exhibit 4 for a complete listing of all binding commitments. Since the inception of the Clean Water SRF program, 609 binding commitments have been made. Of the 609 binding commitments entered into, 279 were leveraged loans, 116 were direct loans, 65 were grants and 132 were sub-recipient loan agreements through the Missouri Agricultural and Small Business Development Authority. In addition, 17 interim direct loans, which are not included in the direct loan binding commitment totals, were repaid and replaced with a leveraged loan. To date, loan recipients have repaid 93 leveraged loans and 11 direct loans.

The innovative financing provided through the SRF allows communities to save a considerable percentage of the interest cost of conventional loans. To date, Missouri's Clean Water SRF program has saved communities an estimated \$970,995,935 in interest compared to the higher interest rates of conventional financing.

Interest savings of approximately 70 percent in this reporting period were a result of financing provided by the SRF. The following table is a summary of the interest savings from loans to communities by fiscal year since the inception of the Clean Water SRF program.

Fiscal Year	Interest Savings	Cumulative Interest Savings
1991	\$17,726,484	\$17,726,484
1992	\$27,697,479	\$45,423,963
1994	\$11,056,536	\$56,480,499
1995	\$67,597,980	\$124,078,479
1996	\$27,884,436	\$151,962,915
1997	\$28,345,150	\$180,308,065
1998	\$11,314,226	\$191,622,291
1999	\$20,946,956	\$212,569,247
2000	\$24,341,039	\$236,910,286
2001	\$16,218,098	\$253,128,384
2002	\$37,805,997	\$290,934,381
2003	\$70,031,378	\$360,965,759
2004	\$58,995,761	\$419,961,520
2005	\$15,362,801	\$435,324,321
2006	\$46,464,587	\$481,788,908
2007	\$19,833,110	\$501,622,018
2008	\$17,328,336	\$518,950,354
2009	\$22,167,138	\$541,117,492
2010	\$92,374,158	\$633,491,650
2011	\$63,388,331	\$696,879,981
2012	\$40,295,790	\$737,175,771
2013	\$28,291,332	\$765,467,103
2014	\$54,470,559	\$819,937,662
2015	\$43,998,532	\$863,936,194
2016	\$44,424,567	\$908,360,761
2017	\$62,635,174	\$970,995,935

V. Objectives and Goals of the Clean Water State Revolving Fund

Each year the department evaluates the operations and the financial structures of the SRF program to gauge program effectiveness. Long term objectives and goals were established with the purpose of improving the Clean Water SRF's operation and service

to its clients. Short term objectives and goals were established with the purpose of improving the Clean Water SRF's immediate operations and the availability of services to its clients.

Long Term Objectives and Goals

In order to meet the long term objectives of improving the Clean Water SRF's operations and service to its clients, the following goals were developed: 1) Promote coordination efforts both within and outside the agency for the purpose of expediting project funding. The Clean Water SRF program staff commit to work with the U.S. Department of Agriculture Rural Development and the Department of Economic Development Community Development Block Grant program to provide affordable financing for municipal pollution prevention and control projects. 2) Pursue more holistic regional and watershed-based solutions that address both point and nonpoint source pollution problems and opportunities to use distributed wastewater treatment options where they could be applied.

Short Term Objectives and Goals

In order to meet the short term objectives of improving the immediate operations and the availability of services to its clients, the following goals were developed: 1) Continue the Clean Water SRF state regulations review and revision process. The rule changes are needed to implement recent revisions in federal law. 2) Target available loan funds to high priority needs in accordance with the Intended Use Plan priority list to encourage construction of the highest impact water quality improvement projects. 3) Look at ways the Clean Water SRF program can be used to encourage sustainable infrastructure and capacity development concepts with borrowers. 4) Continue to identify projects that qualify for green project reserve funding, in accordance with federal guidance.

VI. Progress Toward Achieving Objectives and Goals of the Clean Water State Revolving Fund

This section of the annual report discusses the progress that has been made in meeting those long and short term objectives and goals for the period from Oct. 1, 2016 to Sept. 30, 2017.

Progress Toward Meeting Long Term Base Program Objectives and Goals

The objectives were developed to meet the long term (three to five years) goals of improving the Clean Water SRF's operations and services to its clients:

Goal 1: Promote coordination efforts both within and outside the agency for the purpose of expediting project funding. The Clean Water SRF program staff commit to work with the U.S. Department of Agriculture Rural Development and the Department of Economic Development Community Development Block Grant program to provide affordable financing for municipal pollution prevention and control projects.

The department has collaborative working relationships with other state and federal agencies as well as stakeholders to expedite the funding of wastewater infrastructure projects. These relationships assist in maximizing the environmental benefit of the limited available funding.

Goal 2: Pursue more holistic regional and watershed-based solutions that address both point and nonpoint source pollution problems and opportunities to use distributed wastewater treatment options where they could be applied.

The department continues to work with communities to evaluate potential regionalization options and continued funding for nonpoint source projects to address failing onsite systems and management practices for agriculture.

Progress Toward Meeting Short Term Base Program Objectives and Goals

The objectives were developed to meet the short term (one to three years) goals of improving the Clean Water SRF's immediate operations and the availability of services to its clients:

Goal 1: Continue the Clean Water SRF state regulations review and revision process. The rule changes are needed to implement recent revisions in federal law.

The department is engaged in Missouri's Red Tape Reduction initiative, to reduce regulatory restrictions by one-third. The intent of the Red Tape review is to identify regulations, rules or processes that unnecessarily burden individuals and businesses. The Clean Water SRF state regulations are part of this initiative. Amendments will follow the department's rulemaking process.

Goal 2: Target available loan funds to high priority needs in accordance with the Intended Use Plan priority list to encourage construction of the highest impact water quality improvement projects.

Together, Missouri's priority point ranking, and the strategy to allocate a certain percentage of available funds for certain size communities or for high priority project types (such as combined sewer overflows) target funding to the most impactful projects. The combination of the two will ensure that funding is allocated to a broad spectrum of needs categories. The IUP provides additional information on the allocation of funding.

Goal 3: Look at ways the Clean Water SRF program can be used to encourage sustainable infrastructure and capacity development concepts with borrowers.

To encourage these concepts, the department's priority point criteria awards points for the following:

- Maintaining adequate user charge rates for operation and maintenance for the past five years.
- The applicant has maintained an inflow/infiltration reduction program for the past five years.
- The applicant has a water or energy conservation plan.
- The applicant's project is specifically identified in a master wastewater or capital improvement plan.
- The applicant's governing board has received training related to the management and operation of wastewater infrastructure.
- The department continues to search for additional ways to encourage these concepts.

Goal 4: Continue to identify projects that qualify for green project reserve funding, in accordance with federal guidance.

The department continues to identify projects that qualify for this funding and work with the recipients to guide each project to a successful implementation. The tables on pages 10 and 11 provide details of the projects to date. As of Sept. 30, 2017, the projects identified by the department have met the Green Project Reserve requirements for the federal fiscal years 2010 through 2016 capitalization grants.

VII. Details of Activities

Fund Financial Status

1. Binding Commitments for the 2017 Reporting Period

Refer to Section III of this report for information regarding this reporting period's binding commitments. Information regarding cumulative binding commitments is located in Section IV of this report.

Exhibit 2 lists the state's obligation to make binding commitments in an amount equal to 120 percent of each quarterly capitalization grant payment and Exhibit 4 is a complete binding commitment list. The table below lists 10 projects: nine of the projects began construction during this reporting period; one of the projects started construction prior to the reporting period, but entered into binding commitments during the reporting period.

2017 Reporting Period Project Construction Start Dates

Name	Project ID	Construction Start Date	Amount
St. Joseph	C295699-03	N/A	\$10,000,000
Pierce City	C295696-01	11/16/2016	\$990,860
Renick	C295806-01	12/13/2016	\$854,590
Madison	C295658-01	02/06/2017	\$3,186,468
New London	C295728-01	01/12/2017	\$3,194,460
Wellsville	C295807-01	01/09/2017	\$2,150,159
MSD*	C295023-38	08/04/2015	\$20,000,000
MSD	C295023-39	12/22/2016	\$75,500,000
Chamois	C295703-01	05/31/2017	\$1,377,815
St. Joseph	C295699-05	06/26/2017	\$66,850,000

*Binding Commitments were made during this reporting period, but construction started prior to the reporting period.

2. Source of Funds

Since inception of the program through this reporting period, Missouri has been awarded a total of \$1,199,382,631 in federal Clean Water SRF capitalization grants. Included are transfers from the EPA Construction Grants Program in the amount of \$8,938,132. Refer to Exhibit 1 for a list of the federal grant awards and transfers.

Prior to state fiscal year 2005, Missouri secured the necessary 20 percent match requirement through the sale of Water Pollution Control Bonds authorized under Article III, section 37(e) of the Missouri Constitution. In order for the SRF to contribute towards the debt service of those bonds, the state created a new SRF fund (0300) for the purpose of directly and immediately depositing state match proceeds from Water Pollution Control Bonds. Because the state match proceeds were deposited into this new SRF fund, the state was able to use interest earned from the Water and Wastewater Loan Revolving Fund to pay debt service on those bonds, creating a net savings for the state of Missouri. The amount of earned interest transferred out of the Water and Wastewater Loan Revolving Fund in the 2017 reporting period for the state match bond debt service was \$1,715,914.

During state fiscal year 2005, Missouri changed the way that state match was generated. Missouri currently provides state match from the proceeds of the sale of the Environmental Improvement and Energy Resources Authority (EIERA) bonds. Bonds are clearly identified as either project bonds or state match bonds.

In addition to the EPA capitalization grant and the state match, Missouri uses its repayment account (0602) to finance projects. Debt service repayments received during the reporting period totaled \$45,035,909 from reserve loans, \$47,671,190 from direct loans, and \$685,781 from the Missouri Agricultural Small Business Development Authority loans. The repayment account also received \$194,041 from leveraged bond refunding savings.

3. Disbursements

Each individual loan has its own construction loan fund account at the master trustee bank. Disbursements from these accounts for leveraged loan and direct loan program participants totaled \$127,750,480 for the reporting period. Disbursements to grant recipients were made directly to each participant rather than going through the construction loan fund account.

Disbursements to the loan participants from the Wastewater Loan Fund (fund 0649) for direct loans totaled \$35,501,238, all of which came from federal capitalization grants. Disbursements from the Water and Wastewater Loan Revolving Fund (fund 0602) for grants totaled \$7,086,419 and for direct loans totaled \$92,249,242.

4. Revenue and Expenses

Fund revenues consisting of interest earnings on loans, investment interest, EPA grant draws, state contributions, net of transfers to and from the Drinking Water SRF program, and administration fees totaled \$84,054,846.

Fund expenses, including administrative expenditures and bond interest expense, totaled \$43,677,879.

The program reports an increase in net assets of \$40,376,966. This amount includes EPA grant revenue of \$36,915,200. Other program activity resulted in an increase in net assets

of \$3,461,766. The unaudited statement of revenues, expenses, and changes in fund net position are reported in Exhibit 6.

5. Cash Draw Ratio (Proportionality)

Missouri used a cash flow model for the Clean Water SRF program during this reporting period. The federal capitalization grant was not used as security for the state match bonds. During the reporting period, the state match funds were utilized first before drawing any federal funds from the federal fiscal year 2016 capitalization grant. Once state match funds were utilized, the cash draws were 100 percent federal funds. This process followed EPA memorandum, Clarification of Cash Draw Rules for Leveraged SRF Programs (August 26, 2011).

6. Financial Statements

The financial statements account for all Clean Water SRF funds. The SRF accounts are the Water and Wastewater Loan Fund (fund 0649), the Water and Wastewater Loan Revolving Fund (fund 0602), the Administration Fee Fund (fund 0568), the Water Pollution Control Bond and Interest Fund (fund 0209), and the accounts held at various trustee banks. The statements include notes essential to the presentation.

Exhibits 5, 6, 7 and 8 present the unaudited financial statements for the state of Missouri Clean Water SRF. The statements present financial activity for the reporting period. Corresponding footnotes immediately follow in Exhibit 9.

7. Green Project Reserve (GPR)

Staff continues to discuss the GPR requirements with SRF applicants and consulting engineers to encourage the utilization of GPR components in proposed projects. The costs associated with GPR components are being applied to the oldest capitalization grant first until such time as the GPR requirement for that grant has been satisfied.

Federal Fiscal Year	GPR Allocation	GPR Awarded
2010	\$11,296,600	\$11,296,600
2011	\$8,187,200	\$8,187,200
2012	\$3,917,900	\$3,917,900
2013	\$3,700,900	\$3,700,900
2014	\$3,886,800	\$3,886,800
2015	\$3,866,900	\$3,866,900
2016	\$3,703,900	\$3,703,900
2017	\$3,675,400	\$0

The following projects were identified to have GPR project components and the associated costs were applied towards the FFY2010 capitalization grant GPR requirement.

Project ID	Recipient Name	Loan Date	Loan/Grant Amount	GPR Amount	Energy Efficiency	Green Infrastructure
C295548-02	Joplin	1/26/11	\$26,000,000	\$5,001,000	\$5,001,000	\$0
C295637-01	Waynesville	3/21/11	\$4,750,000	\$720,000	\$720,000	\$0
C295560-01	Cuba	6/22/11	\$2,460,000	\$100,000	\$100,000	\$0
C295611-01	Upper White River Basin Foundation	7/19/11	\$1,000,000	\$1,000,000	\$0	\$1,000,000
C295375-14	Boone County RSD	5/09/12	\$1,360,000	\$600,000	\$600,000	\$0
C295690-01	Perry	5/10/12	\$292,000	\$220,000	\$220,000	\$0
C295531-01	Cape Girardeau	6/19/12	\$31,000,000	\$3,655,600	\$3,655,600	\$0
	Total		\$66,862,000	\$11,296,600	\$10,296,600	\$1,000,000

The following projects were identified to have GPR project components and the associated costs were applied towards the FFY2011 capitalization grant GPR requirement.

Project ID	Recipient Name	Loan Date	Loan/Grant Amount	GPR Amount	Energy Efficiency	Environmentally Innovative
C295531-01	Cape Girardeau	6/19/12	\$31,000,000	\$5,196,400	\$5,196,400	\$0
C295707-01	MACOG	8/02/12	\$1,000,000	\$1,000,000	\$0	\$1,000,000
C295538-01	Taney County	10/15/13	\$3,000,000	\$1,990,800	\$0	\$1,990,800
	Total		\$35,000,000	\$8,187,200	\$5,196,400	\$2,990,800

The following projects were identified to have GPR project components and the associated costs were applied towards the FFY2012 capitalization grant GPR requirement.

Project ID	Recipient Name	Loan Date	Loan/Grant Amount	GPR Amount	Energy Efficiency	Environmentally Innovative
C295538-01	Taney County	10/15/13	\$3,000,000	\$1,009,200	\$0	\$1,009,200
C295564-03	MSD	10/31/13	\$52,000,000	\$2,908,700	\$2,908,700	\$0
	Total		\$55,000,000	\$3,917,900	\$2,908,700	\$1,009,200

The following project was identified to have GPR project components and the associated costs were applied toward the FFY2013 capitalization grant GPR requirement

Project ID	Recipient Name	Loan Date	Loan/Grant Amount	GPR Amount	Energy Efficiency	Environmentally Innovative
C295023-37	MSD	8/18/15	\$75,000,000	\$3,700,900	\$3,700,900	\$0
	Total		\$75,000,000	\$3,700,900	\$3,700,900	\$0

The following project was identified to have GPR project components and the associated costs were applied toward the FFY2014 capitalization grant GPR requirement.

Project ID	Recipient Name	Loan Date	Loan/Grant Amount	GPR Amount	Energy Efficiency	Environmentally Innovative
C295023-37	MSD	8/18/15	\$75,000,000	\$3,886,800	\$3,886,800	\$0
	Total		\$75,000,000	\$3,886,800	\$3,886,800	\$0

The following project was identified to have GPR project components and the associated costs were applied toward the FFY2015 capitalization grant GPR requirement.

Project ID	Recipient Name	Loan Date	Loan/Grant Amount	GPR Amount	Energy Efficiency	Environmentally Innovative
C295023-37	MSD	8/18/15	\$75,000,000	\$3,866,900	\$3,866,900	\$0
	Total		\$75,000,000	\$3,866,900	\$3,866,900	\$0

The following project was identified to have GPR project components and the associated costs were applied toward the FFY2016 capitalization grant GPR requirement.

Project ID	Recipient Name	Loan Date	Loan/Grant Amount	GPR Amount	Energy Efficiency	Environmentally Innovative
C295023-38	MSD	12/22/16	\$20,000,000	\$3,703,900	\$3,703,900	\$0
	Total		\$20,000,000	\$3,703,900	\$3,703,900	\$0

No projects were applied toward the FFY2017 capitalization grant GPR requirement during this reporting period.

8. Additional Subsidy

The following table lists the additional subsidy requirement for each Clean Water capitalization grant and the progress toward meeting the requirements.

Federal Fiscal Year	Minimum Required	Maximum Allowed	Planned Amount	Awarded
2010	\$8,461,153	\$28,196,314	\$10,608,161	\$10,608,161
2011	\$3,794,767	\$12,645,130	\$12,644,571	\$7,313,097
2012	\$3,201,185	\$4,804,661	\$3,266,140	\$3,266,140
2013	\$1,743,282	\$2,614,923	\$2,614,923	\$2,614,923
2014	\$2,115,106	\$3,172,658	\$3,172,658	\$3,172,658
2015	\$0	\$11,600,700	Up to \$4,000,000	\$1,454,509
2016	\$3,703,900	\$14,815,600	Up to \$5,703,900	\$2,477,974
2017	\$3,675,400	\$14,701,600	\$5,675,400	\$0
Total	\$26,694,793	\$92,551,586	\$47,685,753	\$30,907,462

The department has entered into binding agreements for additional subsidization in amounts that exceed the minimum requirements of the FFY 2010 to 2015 capitalization grants. The following table lists the recipients who have been awarded additional subsidization as of Sept. 30, 2017. All additional subsidization was provided in the form of grants.

Under the FFY2017 capitalization grant, the department elected to reserve up to \$5,675,400, to offer as additional subsidization. The FFY2017 capitalization grant is included in the FFY2018 Clean Water SRF Intended Use Plan and as such will be reported on in the 2018 annual report.

Recipient	Amount Awarded	Award Date	Project
Upper White River Basin Foundation	\$2,000,000	07/19/2011 & 04/14/2016	NPS
MACOG	\$1,000,000	08/02/2012	NPS
Taney County	\$3,000,000	10/15/2013	TP Impr
Carl Junction	\$2,050,000	11/06/2013	TP Exp, I/I
Sunrise Beach	\$1,886,911	11/25/2013	Coll, TP
Joplin	\$2,800,000	10/27/2014	TP, I/I
Aurora	\$805,829	01/14/2015	TP Rehab
Rocky Mount Sewer District	\$3,000,000	03/25/2015	Coll, TP
Odessa	\$3,000,000	07/21/2015	TP
Macon	\$825,500	11/16/2015	TP
Monett	\$945,260	10/13/2015	TP, Coll
Windsor Place	\$607,758	11/23/2015	TP
Brashear	\$484,852	02/25/2016	TP
Alba	\$1,217,000	12/03/2015	TP, Coll
Pierce City	\$494,860	11/10/2016	TP Impr, Coll
Renick	\$425,590	12/12/2016	TP, Coll
Madison	\$1,570,468	12/20/2016	I/I, TP Impr, Coll
New London	\$2,315,460	12/21/2016	TP Impr, Coll
Wellsville	\$1,555,159	12/21/2016	TP Impr
Chamois	\$922,815	04/25/2017	TP, Coll Rehab
Total	\$30,907,462		

*Coll – Collection
Source*

NPS – Non-point

*I/I – Inflow and Infiltration
Plant*

TP – Treatment

9. Federal Funding Accountability and Transparency Act (FFATA) and Equivalency

The following table lists the grant awards reported in the FFATA Subaward Reporting System as of Sept. 30, 2017. These awards have been designated as fulfilling FFATA and equivalency requirements.

FFATA Subaward List				
Clean Water	CAP Grant	CAP Grant	Project	FFATA
Year	Amount	Number	Recipient	Subaward
FFY2010		C295548-02	Joplin	\$ 18,633,000
FFY2010		C295525-01	Little Blue Valley Sewer District	\$ 37,850,000
	<u>\$ 56,483,000</u>			<u>\$ 56,483,000</u>
FFY2011		C295531-01	Cape Girardeau	\$ 31,000,000
FFY2011		C295684-01	Northeast Public Sewer District	\$ 12,000,000
	<u>\$ 40,836,000</u>			<u>\$ 43,000,000</u>
FFY2012		C295401-06	Jefferson City	\$ 15,000,000
FFY2012		C295699-02	St. Joseph	\$ 14,660,000
FFY2012		C295564-03	MSD	\$ 13,000,000
FFY2012		C295023-37L	MSD	\$ 15,019,000
	<u>\$ 57,679,000</u>			<u>\$ 57,679,000</u>
FFY2013	\$ 37,009,000	C295564-03	MSD	\$ 39,000,000
FFY2014		C295548-03	Joplin	\$ 6,082,000
FFY2014		C295699-01	St. Joseph	\$ 28,585,000
FFY2014		C295375-10	Boone County R.S.D.	\$ 3,064,000
FFY2014		C295721-01	Windsor Place	\$ 1,546,758
	<u>\$ 38,868,000</u>			<u>\$ 39,277,758</u>
FFY2015	\$ 38,669,000	C295023-37L	MSD	\$ 38,669,000
FFY2016	\$ 37,039,000	C295023-39	MSD	\$ 37,039,000
Total FFATA Reported To Date				\$ 311,147,758

10. Subaward Reporting

The department has awarded one Clean Water SRF grant that qualifies for reporting under 2 CFR 200.331(d). The grant was awarded to the Village of Windsor Place during FFY 2014. The department has received and reviewed the FY 2015 audited financial statements for the village and found no audit findings or concerns needing corrective action. The village's FY 2016 financial statements have not been submitted to the department. The village has been notified. The department conducted inspections during construction and a final inspection was performed at project completion. The project met all inspection requirements.

Operating Agreement Conditions

All current conditions and assurances agreed to in the department and EPA's operating agreement are as stipulated in the previous year's annual report.

Compliance with Grant Conditions

The department continues to comply with all grant conditions. The following sections address specific compliance issues:

- **Lobbying:** Lobbying by grant recipients is restricted by Section 607(A) of P.L. 96-74 and the Anti-Lobbying Act, Section 319 of P.L. 101-121. The department has not engaged in illegal lobbying and has not used grant funds to support lobbying.
- **Debarment:** The department complies with the EPA's policy on debarment and suspension under assistance, loan and benefit programs. The department has not solicited subagreements from debarred or suspended parties and has included notice of this policy in solicitations as required.
- **Disadvantaged Business Enterprises:** The department complies with EPA's Guidance for Utilization of Small, Minority and Women's Business Enterprises. It has agreed to negotiate fair share goals. During the reporting period, the department and all loan and grant recipients have complied with the requirements contained in 40 CFR, Part 33. The department has submitted reports on disadvantaged business enterprise use as required based on the information received from loan and grant recipients. Minority or Women's Business Enterprises (MBE/WBE) reports were submitted to the EPA. The table below summarizes the MBE/WBE activity for Missouri's Clean Water SRF program for the reporting period.

MBE/WBE Assistance Activity 2017 Reporting Period		
	MBE	WBE
Construction	\$6,523,607	\$4,738,638
Equipment	\$0	\$0
Services	\$153,082	\$359,252
Supplies	\$3,073,955	\$1,158,709
Total	\$9,750,644	\$6,256,599
Percent	3.99%	2.56%
Goal	10.0%	5.0%

- **Reporting:** The department submits an annual report on the state of the Clean Water SRF and environmental benefit reports. This report fulfills the requirement of the annual report. The department has entered the environmental benefits for each loan recipient into the Clean Water Benefits Reporting System.

- Use of recycled paper: The department submits required reports to the EPA on recycled paper. This report is printed on recycled paper.
- Indirect costs: The department complies with the negotiated indirect cost agreement and charged indirect costs in the year expended.

VIII. EPA Recommendations on Performance Evaluation Report/Annual Program Review

Staff from EPA Region VII conducted an on-site program evaluation of the federal fiscal year 2016 Clean Water SRF program June 20 through June 22, 2017. The final draft program evaluation report for the SRF program included the following recommendations and observations:

1. With the exception of the timing of receipt of the Annual Report, Missouri is in compliance with the rules and federal regulations.
2. MoDNR's progress this past year to address staffing deficiencies resulted in improvement in a number of the program implementation elements of Missouri's SRF programs and in reporting timeliness.
3. Annual Reports are due by December 31 of each year. EPA looks forward to receiving the 2017 Annual Report by December 31, 2017, or an explanation for any delay and a new projected submittal date.
4. Missouri recognizes the need to submit timely audit reports. The next audit contract, which is administered by MoDNR's Internal Audit Program, has a deliverable schedule that will lead to more timely SRFs audit reports.
5. The 2016 NIMS data had some data elements that were far off, causing the financial indicators to be unreliable. MoDNR and EPA Region 7 agreed that quality checking the NIMS data for the 2017 submission must be a priority.
6. EPA appreciates MoDNR's continuous and open dialogue regarding any aspects or conditions which may impact Missouri's ability to successfully implement the CWSRF program.
7. An example of MoDNR's continued commitment to the development of their SRF staff may be seen by the attendance of 17 staff combined for the CWSRF and DWSRF Training provided by EPA HQ on July 17-19, 2017, at EPA Region 7.
8. MoDNR's files were well documented and no improper payments were found during the cash draw transaction testing.
9. EPA values the additional subsidy and FFATA information provided in the Annual Report.
10. EPA will follow up with MoDNR regarding three of the AIS site visits which EPA conducted for projects in the past year.

IX. Program Changes

The department has elected not to require a fiscal sustainability plan when the department is purchasing a debt obligation (i.e. municipal bonds) from a municipality or district. Borrowers that are entering into a loan agreement for the repair, replacement or expansion of treatment works will be required to certify that a fiscal sustainability plan in compliance with the Federal Water Pollution Control Act section 603(d)(1)(E) has been developed and implemented.

State regulations limit the term of Clean Water SRF loans to 20 years. On July 13, 2016 the Missouri Clean Water Commission approved a variance to the state regulation to allow Clean Water SRF loans to be fully amortized no later than 30 years after initiations of operation with the condition that no amortization schedule would exceed the useful life of the project. This variance expired on Oct. 31, 2017. The department is proposing rule changes to allow longer financing schedules for Clean Water SRF loans.

On April 5, 2017 the Clean Water Commission approved the annual loan administration fee reduction from 1 percent annually to 0.5 percent annually for the Clean Water SRF. The reduced fee went into effect immediately for new loan recipients and the department has worked with bond counsel to amend the applicable ordinances and resolutions authorizing the reduced fee on the existing loans effective starting with their Jan. 1, 2018 payments.

X. Proposed Improvements

The department's Financial Assistance Center intends to continue efforts to market and communicate the benefits of the Clean Water SRF program. The department expects to look at some of the administrative processes within the Clean Water SRF program to streamline reviews and improve customer service.

XI. Programs Outside the State Revolving Fund

No state Water Pollution Control Bonds were issued during the reporting period.

Forty Percent Construction Grant Program

This program funds up to 40 percent of the eligible project costs and is generally geared to the more economically disadvantaged and smaller communities. No state funds were available for this program during the reporting period.

Rural Sewer Grants

These grants can be used for two types of wastewater construction projects. One is to pay for collection systems in an unsewered area. The other is to fund the additional costs of meeting more stringent EPA or department permit requirements for wastewater treatment. Historically, these grants were funded through the issuance of state Water Pollution Control Bonds. At the end of the reporting period, the department has planned for up to

\$7 million from Administrative Fee Fund 0568 for Rural Sewer Grant funding. No Rural Sewer Grants were made from Administrative Fee Fund 0568 prior to the 2015 reporting period. Cumulatively, the department has awarded 14 Rural Sewer Grants totaling \$3,819,898 to be funded from Administrative Fee Fund 0568. Cumulative disbursements totaled \$2,623,371 with disbursements for this reporting period totaling \$976,741.

State Direct Loans

Eligible applicants are small communities that are currently experiencing financial difficulties or that have a small financial need. These applicants would not typically qualify for assistance through the Clean Water or Drinking Water SRF programs. Direct loans available to communities consist of small borrower loans, direct loans, and planning loans. Small borrower loans are limited to \$100,000 and are for drinking water and wastewater projects for communities of less than 1,000 in population. State direct loans may also be funded with repayments of prior direct loan proceeds.

During the 2017 reporting period, the department made no direct loans.

Stormwater Grants and Loans

During the reporting period, the department did not award any state funded stormwater grants or loans.

Small Community Engineering Assistance Program Grants

The Small Community Engineering Assistance Program (SCEAP) provides grants to municipalities, counties, public sewer or water districts, political subdivisions or instrumentalities of the state with a population of less than 10,000. The grants provide funding for wastewater engineering costs incurred in preparation of a facility plan or engineering report. Communities may be eligible to receive an 80 percent grant with a 20 percent recipient match, while disadvantaged communities may be eligible to receive a 90 percent grant with a 10 percent recipient match. The maximum grant amount shall not exceed \$50,000.

Through the reporting period, the department has budgeted for up to \$5.5 million for SCEAP grants. The funds for this program are budgeted from the Administrative Fee Fund 0568. Cumulatively, the department has awarded 127 SCEAP grants totaling \$4,924,979 to be funded from Administrative Fee Fund 0568. During the reporting period, the department awarded 42 SCEAP grants totaling \$1,744,853.

Cumulative disbursements totaled \$3,143,794 with disbursements for this reporting period totaling \$1,507,306.

XII. Management's Discussion and Analysis

The following is the discussion and analysis of the financial activities for the Missouri Department of Natural Resources' Clean Water State Revolving Fund (SRF) for the year ended Sept. 30, 2017. Readers are encouraged to consider the information presented here

in conjunction with additional information that is furnished in the annual report.

Financial Highlights

The assets and deferred outflows of resources of the program exceeded liabilities and deferred inflows of resources at the close of the most recent fiscal year by \$1,327,317,955 (net position). Net position consists of federal capitalization grant contributions of \$1,162,108,024, state match contributions of \$100,280,433, and net income of \$64,929,498 since the inception of the program. The net position of the program is all restricted. The program's enabling legislation and related regulations require that all money in the fund may be used only for purposes of the program.

Total assets decreased by \$31,085,333 from \$1,920,045,651 on Sept. 30, 2016 to \$1,888,960,318 on Sept. 30, 2017. The enterprise fund assets decreased \$30,467,919 and the agency fund assets decreased \$617,414. Explanations for these changes are detailed in the Financial Analysis section.

Total liabilities decreased \$75,094,804. The majority of the decrease was from a reduction in bonds payable. Bonds payable decreased \$74,724,558 because the program has changed from primarily a leveraged loan program to a direct loan program, so no new bonds were issued during the year.

During this reporting period, the program's total net position increased \$40,376,966. Of this amount, \$36,915,200 is capital contributions from the Environmental Protection Agency, and \$3,461,766 is the current period's income.

Overview of the Financial Statements

The discussion and analysis are intended to serve as an introduction to the department's Clean Water SRF basic financial statements. The program's basic financial statements are comprised of two components: 1) proprietary and fiduciary fund financial statements; and 2) notes about the financial statements.

The proprietary and fiduciary fund financial statements include a statement of net position; a statement of revenues, expenses and changes in net position; a statement of cash flows; and a statement of fiduciary net position.

- The statement of net position presents the assets, deferred outflows of resources, liabilities, deferred inflows of resources and net position of the program. Assets consist of cash and cash equivalents, administration fees receivable, federal capitalization grant funds receivable, interest receivable from loans and investments, and loans receivable. Deferred outflows of resources consist of the deferred charge on refunding and the deferred outflows for pension. Liabilities include accounts payable, bonds payable, net pension, and bond interest payable. Deferred inflows of resources consist of the deferred inflows for pension. Net position includes the federal capitalization grant contributions, the state match contributions, and the excess earnings of the program's operations since inception.

- The statement of revenues, expenses and changes in net position presents information showing how the program's net position changed during the reporting period. All changes in net position are reported as soon as the underlying event giving rise to the change occurs, regardless of the timing of the related cash flows.
- The statement of cash flows is provided to identify the sources and the uses of cash during the reporting period and to demonstrate that the program has sufficient cash to meet its obligations.
- The statement of fiduciary net position provides information about the program's agency fund. The agency fund consists of the assets and liabilities related to the loan funds that are held at trustee banks on behalf of the loan participants.

The notes to the financial statements provide additional information that is essential to a full understanding of the data provided in the fund financial statements.

Financial Analysis

Loan Fund:

The following section displays the current and prior year financial statements of the loan fund and describes some of the major reasons for the changes.

Loan Fund Net Position

	2017	2016	Percent Change
Current assets	\$ 400,915,799	\$ 411,373,168	-3%
Non-current assets	1,443,556,148	1,461,793,229	-1%
Total assets	1,844,471,947	1,873,166,397	-2%
Deferred outflows	22,215,919	26,140,233	-15%
Total assets and deferred outflows	1,866,687,866	1,899,306,630	-2%
Current liabilities	69,050,776	70,411,809	-2%
Non-current liabilities	508,162,799	581,887,393	-13%
Total liabilities	577,213,575	652,299,202	-12%
Deferred inflows	19,001	37,453	-49%
Total liabilities and deferred inflows	577,232,576	652,336,655	-12%
Net position	\$ 1,289,455,290	\$ 1,246,969,975	3%

The loan fund net position increased \$42,485,315 from the previous year. The major reasons for the increase:

1. Loans receivable decreased by \$22,161,994.
2. Cash and cash equivalents decreased by \$3,299,482.
3. Bonds payable decreased by \$74,724,558.

Changes in Loan Fund Net Position

	2017	2016	Percent Change
Operating revenues	\$ 36,627,638	\$ 39,774,302	-8%
Operating expenses	8,785,387	8,696,472	1%
Operating income	27,842,251	31,077,830	-10%
Non-operating revenues (expenses)	14,643,064	6,326,299	131%
Increase in net position	42,485,315	37,404,129	14%
Net position, beginning of year	1,246,969,975	1,209,565,846	3%
Net position, end of year	<u>\$ 1,289,455,290</u>	<u>\$ 1,246,969,975</u>	3%

Non-operating revenues of the loan fund increased 131 percent. A decrease in interest expense on bonds payable, a decrease in bond issue expense, and a decrease of debt service for a total of \$4,898,242 were contributing factors for the increase.

Loan Fund Cash Flows

	2017	2016	Percent Change
Cash flows from operating activities	\$ 52,401,844	\$ 11,435,653	358%
Cash flows from non-capital financing activities	(58,852,768)	(76,090,476)	-23%
Cash flows from investing activities	3,151,442	3,066,919	3%
Increase (decrease) in cash and cash equivalents	(3,299,482)	(61,587,904)	-95%
Cash and cash equivalents, beginning of year	248,999,614	310,587,518	-20%
Cash and cash equivalents, end of year	<u>\$ 245,700,132</u>	<u>\$ 248,999,614</u>	-1%

A number of factors caused a change in the loan fund cash flow numbers between state fiscal year 2016 and the 2017 reporting period. The change was due to an increase in operating activities and a decrease in noncapital financing activities:

1. Loan disbursements decreased \$35,800,326.
2. Repayment received on loans increased \$5,911,218, due to early loan payoffs during this reporting period.
3. Other payments increased by \$1,412,104, which is partially due to larger loan closing costs during this reporting period.
4. Bond principle retired decreased by \$133,339,909.
5. No new bonds were issued during this reporting period, as compared to 2016 when \$116,540,000 in CWSRF refunding bonds were issued.

Administrative Fee Fund:

The following section displays the current and prior year financial statements of the administrative fee fund and describes some of the major reasons for the changes.

Administrative Fee Fund Net Position

	2017	2016	Percent Change
Current assets	\$ 39,999,778	\$ 41,774,675	-4%
Fixed Assets	54,965	53,534	3%
Total assets	40,054,743	\$ 41,828,209	-4%
Deferred outflows	471,064	\$ 202,369	133%
Total assets and deferred outflows	40,525,807	42,030,578	-4%
Current liabilities	1,144,022	895,862	28%
Non-current liabilities	1,451,250	1,091,174	33%
Total liabilities	2,595,272	1,987,036	31%
Deferred inflows	67,870	72,528	-6%
Total liabilities and deferred inflows	2,663,142	2,059,564	29%
Net position	\$ 37,862,665	\$ 39,971,014	-5%

Net position of the administrative fee fund decreased \$2,108,349. A decrease in cash of \$1,207,255 was a major reason for the change in net position. The decrease in cash was the result of administrative fees received being less than administrative expenses paid. A large portion of the increase in total liabilities was due to net pension liability.

Changes in Administration Fee Fund Net Position

	2017	2016	Percent Change
Operating revenues	\$ 7,911,383	\$ 7,950,976	-0.50%
Operating expenses	10,326,982	6,559,607	57%
Operating income	(2,415,599)	1,391,369	-274%
Non-operating revenues (expenses)	307,250	192,691	59%
Increase (decrease) in net position	(2,108,349)	1,584,060	-233%
Net position, beginning of year	39,971,014	38,386,954	4%
Net position, end of year	\$ 37,862,665	\$ 39,971,014	-5%

Operating expenses increased \$3,767,375 and operating revenues decreased \$39,593. Operating expenses increased in part because of larger grant disbursements and an increase in salary and benefit expenses.

Administrative Fee Fund Cash Flows

	2017	2016	Percent Change
Cash flows from operating activities	\$ (1,472,392)	\$ 1,712,805	-186%
Cash flows from non-capital financing activities	-	-	0%
Cash flows from capital and related financing activities	(23,147)	-	-100%
Cash flows from investing activities	288,284	189,018	53%
Increase (decrease) in cash and cash equivalents	(1,207,255)	1,901,823	-163%
Cash and cash equivalents, beginning of year	38,831,406	36,929,583	5%
Cash and cash equivalents, end of year	<u>\$ 37,624,151</u>	<u>\$ 38,831,406</u>	<u>-3%</u>

Grant disbursements increased by \$3,187,604 and administrative fees received increased by \$685,151 in this reporting period. Overall, administrative fees received were less than expenses resulting in cash and cash equivalents decreasing by \$1,207,255 in this reporting period.

Agency Fund:

The following section displays the current and prior year assets and liabilities of the agency fund.

Agency Fund Net Position

	2017	2016	Percent Change
Assets	\$ 4,433,629	\$ 5,051,043	-12%
Liabilities	4,433,629	5,051,043	-12%
Net position	<u>\$ -</u>	<u>\$ -</u>	<u>0%</u>

The agency fund assets and liabilities decreased 12 percent because the program is now funding new loans on a payment by payment basis instead of placing 100 percent of the loan funds at a trustee bank at the time of the loan closing. The remaining agency funds consist of the applicant's unspent loan funds, debt service reserve funds, as well as the rebate funds held for arbitrage payments.

Clean Water SRF Capitalization Grant Awards

FFY	Grant ID	Transfers	Allotment (less 604b)	Award Amount	Cumulative
1989	00290001-89		\$ 26,147,682	\$ 26,147,682	\$ 26,147,682
1990	00290001-90		\$ 27,046,602	\$ 27,046,602	\$ 53,194,284
1991	00290001-91	\$ 400,000	\$ 56,892,500	\$ 57,292,500	\$ 110,486,784
1992	00290001-92		\$ 53,863,400	\$ 53,863,400	\$ 164,350,184
1993	00290001-93		\$ 53,282,889	\$ 53,282,889	\$ 217,633,073
1994	00290001-94		\$ 33,061,347	\$ 33,061,347	\$ 250,694,420
1995	00290001-95		\$ 34,135,876	\$ 34,135,876	\$ 284,830,296
1996	00290001-96	\$ 280,872	\$ 55,930,941	\$ 56,211,813	\$ 341,042,109
1997	00290001-97		\$ 17,277,282	\$ 17,277,282	\$ 358,319,391
1998	00290001-98		\$ 37,329,237	\$ 37,329,237	\$ 395,648,628
1999	00290001-99		\$ 37,332,405	\$ 37,332,405	\$ 432,981,033
2000	00290001-00	\$ 5,000,000	\$ 37,205,784	\$ 42,205,784	\$ 475,186,817
2001	00290001-06	\$ 2,175,236	\$ 36,875,124	\$ 39,050,360	\$ 514,237,177
2002	00290001-07		\$ 36,957,195	\$ 36,957,195	\$ 551,194,372
2003	00290001-08	\$ 82,024	\$ 36,717,021	\$ 36,799,045	\$ 587,993,417
2004	00290001-09	\$ 1,000,000	\$ 36,739,197	\$ 37,739,197	\$ 625,732,614
2005	00290001-10		\$ 29,872,359	\$ 29,872,359	\$ 655,604,973
2006	00290001-11		\$ 24,299,648	\$ 24,299,648	\$ 679,904,621
2007	00290001-12		\$ 29,670,498	\$ 29,670,498	\$ 709,575,119
2008	00290001-13		\$ 18,864,955	\$ 18,864,955	\$ 728,440,074
2009	00290001-14		\$ 18,863,757	\$ 18,863,757	\$ 747,303,831
2010	00977080-01		\$ 108,641,800	\$ 108,641,800	\$ 855,945,631
2010	00290001-15		\$ 56,483,000	\$ 56,483,000	\$ 912,428,631
2011	00290001-16		\$ 40,936,000	\$ 40,936,000	\$ 953,364,631
2012	00290001-17		\$ 57,679,000	\$ 57,679,000	\$ 1,011,043,631
2013	00290001-18		\$ 37,009,000	\$ 37,009,000	\$ 1,048,052,631
2014	00290001-19		\$ 38,868,000	\$ 38,868,000	\$ 1,086,920,631
2015	00290001-20		\$ 38,669,000	\$ 38,669,000	\$ 1,125,589,631
2016	00290001-21		\$ 37,039,000	\$ 37,039,000	\$ 1,162,628,631
2017	00290001-22		\$ 36,754,000	\$ 36,754,000	\$ 1,199,382,631

SRF Required Binding Commitment
Fiscal Year End 2017

Grant Name	Award Date	Grant Amount	1989-2016 Payments	2017 Q1	2017 Q2	2017 Q3	2017 Q4
1989 FFY CW STATE REVOLVING FUND	08/28/1989	26,147,682.00	26,147,682.00	0.00	0.00	0.00	0.00
1990 FFY CW STATE REVOLVING FUND	05/05/1990	27,046,602.00	27,046,602.00	0.00	0.00	0.00	0.00
1991 FFY CW STATE REVOLVING FUND	06/03/1991	57,292,500.00	57,292,500.00	0.00	0.00	0.00	0.00
1992 FFY CW STATE REVOLVING FUND	07/14/1992	53,863,400.00	53,863,400.00	0.00	0.00	0.00	0.00
1993 FFY CW STATE REVOLVING FUND	10/04/1993	53,282,889.00	53,282,889.00	0.00	0.00	0.00	0.00
1994 FFY CW STATE REVOLVING FUND	09/08/1994	33,061,347.00	33,061,347.00	0.00	0.00	0.00	0.00
1995 FFY CW STATE REVOLVING FUND	04/25/1995	34,135,875.54	34,135,875.54	0.00	0.00	0.00	0.00
1996 FFY CW STATE REVOLVING FUND	04/04/1996	56,211,813.00	56,211,813.00	0.00	0.00	0.00	0.00
1997 FFY CW STATE REVOLVING FUND	09/30/1997	17,277,282.00	17,277,282.00	0.00	0.00	0.00	0.00
1998 FFY CW STATE REVOLVING FUND	09/30/1998	37,329,237.00	37,329,237.00	0.00	0.00	0.00	0.00
1999 FFY CW STATE REVOLVING FUND	12/10/1999	37,332,405.00	37,332,405.00	0.00	0.00	0.00	0.00
2000 FFY CW STATE REVOLVING FUND	09/27/2001	42,205,784.00	42,205,784.00	0.00	0.00	0.00	0.00
2001 FFY CW STATE REVOLVING FUND	09/25/2002	39,050,360.00	39,050,360.00	0.00	0.00	0.00	0.00
2002 FFY CW STATE REVOLVING FUND	09/30/2003	36,957,195.00	36,957,195.00	0.00	0.00	0.00	0.00
2003 FFY CW STATE REVOLVING FUND	09/08/2004	36,799,045.00	36,799,045.00	0.00	0.00	0.00	0.00
2004 FFY CW STATE REVOLVING FUND	06/28/2005	37,739,197.00	37,739,197.00	0.00	0.00	0.00	0.00
2005 FFY CW STATE REVOLVING FUND	11/29/2005	29,872,359.00	29,872,359.00	0.00	0.00	0.00	0.00
2006 FFY CW STATE REVOLVING FUND	05/15/2007	24,199,648.00	24,199,648.00	0.00	0.00	0.00	0.00
2007 FFY CW STATE REVOLVING FUND	01/16/2008	29,670,498.00	29,670,498.00	0.00	0.00	0.00	0.00
2008 FFY CW STATE REVOLVING FUND	02/04/2009	18,764,955.00	18,764,955.00	0.00	0.00	0.00	0.00
ARRA CAPITALIZATION GRANT	07/20/2009	108,641,800.00	108,641,800.00	0.00	0.00	0.00	0.00
2009 FFY CW STATE REVOLVING FUND	08/16/2010	18,863,757.00	18,863,757.00	0.00	0.00	0.00	0.00
2010 FFY CW STATE REVOLVING FUND	01/14/2011	56,483,000.00	56,483,000.00	0.00	0.00	0.00	0.00
2011 FFY CW STATE REVOLVING FUND	12/07/2011	40,836,000.00	40,836,000.00	0.00	0.00	0.00	0.00
2012 FFY CW STATE REVOLVING FUND	09/27/2012	57,679,000.00	57,679,000.00	0.00	0.00	0.00	0.00
2013 FFY CW STATE REVOLVING FUND	09/26/2013	36,939,000.00	37,009,000.00	0.00	0.00	0.00	0.00
2014 FFY CW STATE REVOLVING FUND	09/03/2014	38,868,000.00	38,868,000.00	0.00	0.00	0.00	0.00
2015 FFY CW STATE REVOLVING FUND	09/14/2015	38,627,000.00	38,669,000.00	0.00	0.00	0.00	0.00
2016 FFY CW STATE REVOLVING FUND	09/29/2016	37,039,000.00	0.00	0.00	16,667,550.00	9,259,750.00	9,259,750.00
FFY2017 CW CAPITALIZATION GRANT	09/27/2017	36,754,000.00	0.00	0.00	0.00	0.00	0.00
			1,125,289,530.54	0.00	16,667,550.00	9,259,750.00	9,259,750.00

Cumulative Binding Commitment:
Required Binding Commitment:
Percentage:

2,740,344,379.36
1,292,284,236.65
212.05%

2,740,674,837.36
1,303,995,036.65
210.18%

2,858,516,974.36
1,319,445,837.05
216.65%

2,858,756,974.36
1,334,896,637.45
214.16%

2,860,843,602.16
1,350,347,436.65
211.86%

Note:
Payment amounts include admin/set-asides.
Required Binding Commitment = 120% of federal grant payments lagged by 1 year.

Exhibit 3

Cumulative Leveraged Loan Bond Closings							
Series	Par		Series	Par		Series	Par
1990A	\$ 32,650,000		1996B	\$ 4,545,000		2001C	\$ 88,880,000
1990B	9,695,000		1996D	14,185,000		2002A	19,175,000
1991A	13,550,000		1996E	23,600,000		2002B	76,360,000
1992A	48,295,000		1997B	22,235,000		2003A	88,915,000
MSD1	68,000,000		1997C	5,730,000		2003B	28,495,000
MSD2	85,000,000		1997D	24,060,000		2003C	16,605,000
1993A	22,425,000		1997E	14,015,000		2004B	176,175,000
MSD3	50,000,000		1997F	2,500,000		2004C	30,175,000
1994A	12,215,000		1998A	16,480,000		2005A	24,955,000
1994B	43,230,000		1998B	17,080,000		2005C	55,430,000
1995A	17,450,000		1999A	45,655,000		2006A	85,505,000
1995B	18,000,000		1999B	9,550,000		2006B	19,810,000
1995C	30,000,000		2000A	32,150,000		2007A	45,625,000
1995D	11,462,661		MSD4	72,545,000		2007B	56,335,000
1995E	26,410,000		2000B	34,675,000		2008A	58,630,000
1996A	24,000,000		2001A	7,635,000			
Cumulative Leveraged Loan Binding Commitments:						\$ 1,730,092,661	

SRF Binding Commitments
State Fiscal Years 1989 through 2017

Exhibit 4

Project Name	Project Number	Amount	Closing Date
Funding Type: ARRA GRANT			
HOUSTON-WW SYSTEM IMPROVEMENTS	C295491-01G	\$1,750,000.00	09/28/2009
TIPTON-RENOVATION OF SAN. SEWERS FOR I&I	C295528-01G	\$1,500,000.00	10/09/2009
CALVEY CREEK S.D. - CRESTVIEW	C295524-01G	\$682,000.00	10/26/2009
NEOSHO-WW SYSTEM IMPROVEMENTS	C295549-01G	\$3,000,000.00	10/30/2009
BLUE SPRINGS	C295530-01G	\$3,000,000.00	11/10/2009
DUQUESNE	C295477-03G	\$1,481,876.00	11/10/2009
LIBERTY REHAB C295595-01	C295595-01G	\$1,473,000.00	11/16/2009
AURORA-SANITARY SEWER REHABILITATION	C295570-01G	\$281,050.00	12/10/2009
MOBERLY-ARRA & SRF, WWTP DISINF/CSO IMPR	C295648-01G	\$1,279,500.00	12/10/2009
RALLS CO. PWSO NO. 1-LAKE HANNIBAL ESTAT	C295621-01G	\$279,345.00	12/10/2009
THAYER-WW SYSTEM IMPROVEMENTS	C295561-01G	\$2,125,000.00	12/10/2009
KANSAS CITY - WSD - C295588-01	C295588-01G	\$3,000,000.00	12/15/2009
SILVER CREEK	C295529-01G	\$1,406,863.00	12/16/2009
KIRKSVILLE-C295250-8&-9,BASIN C&F, NE FM	C295250-09G	\$515,000.00	12/21/2009
ATLANTA, CITY OF	C295554-01G	\$535,200.00	12/22/2009
REEDS SPRING - WWTP EXPANSION & SEWERS	C295537-01G	\$433,650.00	12/22/2009
WEST SULLIVAN SEWER COLLECTION & WWTF	C295638-01G	\$629,589.00	12/22/2009
BOONE CO. R. S. D. C295573-01 ARRA	C295573-01G	\$924,700.00	12/23/2009
KINGSTON	C295542-01G	\$576,000.00	12/23/2009
WARSAW I/I IMPROVEMENTS, UV & STORMWATER	C295634-01G	\$2,030,300.00	12/23/2009
NIXA-WW COLLECTION SYSTEM IMPROVEMENTS	C295608-01G	\$378,761.00	12/27/2009
HARRISONVILLE - WWTP - C295365-05 - ARRA	C295365-05G	\$3,000,000.00	12/29/2009
PARKVILLE REHAB & AERATION C295645-01	C295645-01G	\$237,109.00	12/29/2009
CHILLICOTHE - C295576-01	C295576-01G	\$1,000,000.00	01/05/2010
COLUMBIA WWTP C295361-08 ARRA	C295361-08G	\$3,000,000.00	01/05/2010
JOPLIN-TURKEY CRK & SHOAL CRK WWTF'S	C295548-01G	\$3,000,000.00	01/05/2010
KIRBYVILLE COLLECTION SYSTEM	C295589-01G	\$627,819.00	01/05/2010
PENDLETON, VILLAGE OF	C295614-01G	\$306,353.00	01/06/2010
STE. GENEVIEVE - C295627-01 ARRA	C295627-01G	\$647,500.00	01/08/2010
NEW FLORENCE-WW SYSTEM IMPROVEMENTS	C295562-01G	\$928,197.00	01/09/2010
GARDEN CITY C295283-02L	C295283-02G	\$362,600.00	01/15/2010
LEXINGTON DISINFECTION C295594-01	C295594-01G	\$294,400.00	01/15/2010
PLATTE CITY INTERCEPTOR SEWER	C295559-01G	\$558,000.00	01/15/2010
SPRINGFIELD - ARRA - SPRING BR. & OZONE	C295406-04G	\$3,000,000.00	01/15/2010
CLARENCE SEWER SYSTEM REHAB	C295654-01G	\$2,846,212.00	01/16/2010
CARTERVILLE - LIFT STATION UPGRADE	C295643-01G	\$702,950.00	01/22/2010
CASSVILLE - SH SUBDIVISION	C295657-01G	\$551,098.00	01/25/2010
MSD - ARGONNE PH-I/UPPER MALINE PH-IIIB	C295605-01G	\$3,000,000.00	01/26/2010
MARCELINE, CITY OF	C295600-01G	\$139,190.00	01/27/2010
CALIFORNIA, CITY OF- C295261-03/ RSG-396	C295261-03G	\$2,708,100.00	01/28/2010
FREMONT HILLS	C295580-01G	\$34,903.00	01/28/2010
LAKE OZARK C295646-01	C295646-01G	\$444,200.00	01/28/2010
BOONE CO COM- COUNTRY SQUIRE/BRN STATION	C295299-02G	\$180,062.00	01/29/2010
PARIS	C295552-01G	\$1,155,500.00	01/29/2010
44		\$56,006,027.00	
Funding Type: ARRA LOAN			
HOUSTON-WW SYSTEM IMPROVEMENTS	C295491-01L	\$1,750,000.00	10/06/2009
TIPTON-RENOVATION OF SAN. SEWERS FOR I&I	C295528-01L	\$1,500,000.00	10/14/2009
CALVEY CREEK S.D. - CRESTVIEW	C295524-01L	\$682,000.00	10/29/2009
NEOSHO-WW SYSTEM IMPROVEMENTS	C295549-01L	\$5,488,800.00	11/10/2009
DUQUESNE	C295477-03L	\$1,481,900.00	11/16/2009
BLUE SPRINGS	C295530-01L	\$30,789,000.00	11/24/2009
RALLS CO. PWSO NO. 1-LAKE HANNIBAL ESTAT	C295621-01L	\$221,200.00	12/14/2009
THAYER-WW SYSTEM IMPROVEMENTS	C295561-01L	\$2,125,000.00	12/15/2009
KANSAS CITY - WSD - C295588-01	C295588-01L	\$16,000,000.00	12/18/2009
SILVER CREEK	C295529-01L	\$1,406,800.00	12/18/2009
ATLANTA, CITY OF	C295554-01L	\$535,200.00	12/28/2009
KINGSTON	C295542-01L	\$192,000.00	12/28/2009
BOONE CO. R. S. D. C295573-01 ARRA	C295573-01L	\$924,700.00	12/29/2009
KIRKSVILLE-C295250-8&-9,BASIN C&F, NE FM	C295250-09L	\$515,000.00	12/29/2009
REEDS SPRING - WWTP EXPANSION & SEWERS	C295537-01L	\$433,600.00	12/29/2009
WARSAW I/I IMPROVEMENTS, UV & STORMWATER	C295634-01L	\$2,030,300.00	12/29/2009
WEST SULLIVAN SEWER COLLECTION & WWTF	C295638-01L	\$209,800.00	12/29/2009
PENDLETON, VILLAGE OF	C295614-01L	\$102,100.00	01/08/2010
HARRISONVILLE - WWTP - C295365-05 - ARRA	C295365-05L	\$4,300,000.00	01/12/2010
NEW FLORENCE-WW SYSTEM IMPROVEMENTS	C295562-01L	\$928,000.00	01/12/2010
STE. GENEVIEVE - C295627-01 ARRA	C295627-01L	\$647,500.00	01/12/2010
COLUMBIA WWTP C295361-08 ARRA	C295361-08L	\$59,335,000.00	01/14/2010
SPRINGFIELD - ARRA - SPRING BR. & OZONE	C295406-04L	\$13,000,000.00	01/15/2010
CLARENCE SEWER SYSTEM REHAB	C295654-01L	\$948,700.00	01/19/2010
LEXINGTON DISINFECTION C295594-01	C295594-01L	\$294,400.00	01/20/2010
PLATTE CITY INTERCEPTOR SEWER	C295559-01L	\$558,000.00	01/20/2010
JOPLIN-TURKEY CRK & SHOAL CRK WWTF'S	C295548-01L	\$6,000,000.00	01/26/2010
MSD - ARGONNE PH-I/UPPER MALINE PH-IIIB	C295605-01L	\$7,980,700.00	01/26/2010
GARDEN CITY C295283-02L	C295283-02L	\$362,600.00	01/27/2010
BOONE CO COM- COUNTRY SQUIRE/BRN STATION	C295299-02L	\$179,900.00	01/28/2010
CALIFORNIA, CITY OF- C295261-03/ RSG-396	C295261-03L	\$2,708,000.00	01/28/2010

SRF Binding Commitments
State Fiscal Years 1989 through 2017

Exhibit 4

Project Name	Project Number	Amount	Closing Date
LAKE OZARK C295646-01	C295646-01L	\$200,000.00	01/28/2010
PARIS	C295552-01L	\$1,155,500.00	01/28/2010
	33	\$164,985,700.00	
Funding Type: DIRECT FORTY % MATCH LOAN SRF			
LOMA LINDA, TOWN OF	C295340-01	\$346,200.00	05/24/2001
STONE COUNTY	C295430-01	\$1,500,000.00	03/13/2003
RISCO, CITY OF	C295437-01	\$359,000.00	05/22/2003
GORDONVILLE	C295449-01	\$1,497,700.00	07/29/2009
	4	\$3,702,900.00	
Funding Type: DIRECT INTERIM LOAN SRF			
ROCK CREEK PUBLIC SEWER DISTRICT	C295367-01	\$8,585,000.00	05/04/1999
WELDON SPRING-SAN. SEWER COLLECTION SYS.	C295235-01	\$1,125,000.00	06/04/1999
HOLT, CITY OF	C295341-01	\$975,000.00	05/16/2000
ROCK CREEK S.D. PHASE 1,2,3 & KIMMSWIC	C295367-03	\$1,800,000.00	05/16/2000
FESTUS-INTERIM DIRECT LOAN	C295305-01	\$730,000.00	06/08/2001
HARRISONVILLE-EXTRA. BASIN&NEW PS#2	C295365-01	\$695,000.00	06/08/2001
JEFFERSON CITY WWTP & WALNUT ST. PS	C295401-01	\$10,000,000.00	06/08/2001
PLATTE COUNTY RSD #1	C295263-10	\$425,000.00	02/25/2002
LITTLE BLUE VALLEY ATHERTON WWTP	C295439-01	\$6,000,000.00	03/14/2002
HOLDEN, CITY OF	C295389-01	\$1,290,000.00	05/21/2002
MOUNTAIN VIEW - NEW WWTP	C295466-01	\$300,000.00	09/09/2002
GREENFIELD COLLECTION SYSTEM	C295425-01	\$1,100,000.00	09/11/2002
BOWLING GREEN SEWER IMPROVEMENTS	C295241-01	\$800,000.00	07/31/2003
MSD - 99066A, L. MERAMEC RIVER WWTP	C295023-09	\$69,506,836.00	01/14/2004
KANSAS CITY - WSD C295248-11 IDL & 13 SRF	C295248-11	\$10,000,000.00	03/04/2004
RAYTOWN C295506-01	C295506-01	\$1,823,000.00	10/11/2005
WARRENSBURG-PHASE 1 WW SYSTEM IMPR.	C295510-01	\$3,500,000.00	07/27/2006
	17	\$118,654,836.00	
Funding Type: DIRECT INTERIM LOAN SRF (Paid off by Leveraged Loan)			
ROCK CREEK PUBLIC SEWER DISTRICT	C295367-01	(\$8,585,000.00)	06/03/1999
HOLT, CITY OF	C295341-01	(\$975,000.00)	11/21/2000
JEFFERSON CITY WWTP & WALNUT ST. PS	C295401-01	(\$10,000,000.00)	11/20/2001
ROCK CREEK S.D. PHASE 1,2,3 & KIMMSWIC	C295367-03	(\$1,800,000.00)	11/20/2001
WELDON SPRING-SAN. SEWER COLLECTION SYS.	C295235-01	(\$1,125,000.00)	11/20/2001
FESTUS-INTERIM DIRECT LOAN	C295305-01	(\$730,000.00)	11/07/2002
GREENFIELD COLLECTION SYSTEM	C295425-01	(\$1,100,000.00)	11/07/2002
HARRISONVILLE-EXTRA. BASIN&NEW PS#2	C295365-01	(\$695,000.00)	11/07/2002
MOUNTAIN VIEW - NEW WWTP	C295466-01	(\$300,000.00)	11/07/2002
PLATTE COUNTY RSD #1	C295263-10	(\$425,000.00)	11/07/2002
LITTLE BLUE VALLEY ATHERTON WWTP	C295439-01	(\$6,000,000.00)	01/30/2003
BOWLING GREEN SEWER IMPROVEMENTS	C295241-01	(\$800,000.00)	11/20/2003
MSD - 99066A, L. MERAMEC RIVER WWTP	C295023-09	(\$69,506,836.00)	05/28/2004
HOLDEN, CITY OF	C295389-01	(\$1,290,000.00)	12/09/2004
KANSAS CITY - WSD C295248-11 IDL & 13 SRF	C295248-11	(\$10,000,000.00)	12/09/2004
RAYTOWN C295506-01	C295506-01	(\$1,823,000.00)	04/27/2006
WARRENSBURG-PHASE 1 WW SYSTEM IMPR.	C295510-01	(\$3,500,000.00)	05/01/2007
	(17)	(\$118,654,836.00)	
Funding Type: DIRECT LOAN NPS 0602			
MASBDA #1	C295212-01	\$922,818.77	09/01/1995
MASBDA #2	C295212-02	\$2,040,603.16	11/18/1997
MASBDA #3	C295212-03	\$3,167,616.83	11/02/1999
MASBDA #4	C295212-04	\$263,286.50	02/26/2003
MASBDA #5	C295212-05	\$918,297.38	09/20/2004
MASBDA #6	C295212-06	\$3,487,300.26	07/01/2006
MASBDA #7	C295212-07	\$2,359,860.95	12/03/2008
MASBDA #8	C295212-08	\$41,826.36	12/10/2010
MASBDA #9	C295212-09	\$0.00	12/18/2014
	9	\$13,201,610.21	
Funding Type: DIRECT LOAN SRF			
TANEY COUNTY RSD - EASTSIDE	C295219-01	\$3,038,000.00	10/29/1996
ATLANTA, CITY OF	C295273-01	\$55,000.00	04/30/1997
LINCOLN, CITY OF	C295202-01	\$695,000.00	09/18/1997
TANEYVILLE, VILLAGE OF	C295349-01	\$500,000.00	01/26/2000
RICH HILL WWTP & CS IMPROVEMENTS	C295322-01	\$900,000.00	02/06/2001
ARROW ROCK, TOWN OF	C295414-01	\$120,000.00	10/16/2001
EXETER, CITY OF	C295415-01	\$79,000.00	12/12/2001
STELLA, VILLAGE OF	C295429-01	\$135,000.00	11/18/2002
LAURIE WWTP AND COLLECTION SYSTEM	C295428-01	\$826,900.00	01/16/2003
ELLINGTON WW SYSTEM IMPROVEMENTS	C295476-01	\$825,000.00	07/28/2004
ODESSA C295451-01	C295451-02	\$1,000,000.00	07/27/2005
KIRKSVILLE-C295250-08&-09, BASIN C&F	C295250-08	\$1,500,000.00	04/29/2008
FAIR GROVE -WWTP EXPANSION	C295501-01	\$800,000.00	06/24/2008
LILBOURN-WW SYSTEM IMPR.	C295523-01	\$610,000.00	10/24/2008
FREMONT HILLS	C295471-01	\$1,500,000.00	12/23/2008
ST. MARTINS	C295420-02	\$200,000.00	07/24/2009
DUQUESNE	C295477-02	\$1,600,000.00	07/29/2009
MSD - INFLOW/INFILTRATION, LEMAY, CREVE	C295534-01	\$23,000,000.00	10/21/2009
	18	\$37,383,900.00	

SRF Binding Commitments
State Fiscal Years 1989 through 2017

Exhibit 4

Project Name	Project Number	Amount	Closing Date
Funding Type: DIRECT NPS LOAN SRF w/ TRUSTEE			
ST. CHARLES COUNTY GOVERNMENT	C295373-01	\$2,941,000.00	02/06/2002
MSD - OZARK & TABLEROCK	C295023-20	\$374,680.00	02/18/2004
ST. CHARLES COUNTY GOVERNMENT	C295373-02	\$272,000.00	03/11/2004
MSD - W. WATSON & NANELL LN.	C295023-21	\$535,600.00	10/29/2004
CASSVILLE - SHERWOOD FOREST NID	C295473-02	\$318,000.00	03/15/2006
BOONE CO COMM -HILL CREEK	C295299-01	\$1,700,000.00	12/19/2008
	6	\$6,141,280.00	
Funding Type: LEVERAGED LOAN SRF			
SPRINGFIELD - 1990A (SW WWTP)	C295013-01	\$32,650,000.00	10/24/1990
LEE'S SUMMIT	C295015-01	\$9,695,000.00	01/08/1991
BELTON WWTP, C295002-01, -02	C295002-01	\$6,825,000.00	01/13/1992
CAPE GIRARDEAU, CAPE LA CROIX PHASE IV	C295004-01	\$2,500,000.00	01/13/1992
O'FALLON	C295011-01	\$4,225,000.00	01/13/1992
ARNOLD-WW SYSTEM IMPROVEMENTS	C295097-01	\$1,270,000.00	06/16/1992
BELTON WWTP, C295002-01, -02	C295002-02	\$430,000.00	06/16/1992
BRANSON, CITY OF	C295120-01	\$2,000,000.00	06/16/1992
CABOOL, CITY OF	C295140-01	\$250,000.00	06/16/1992
CAMERON, CITY OF	C295106-01	\$1,090,000.00	06/16/1992
CHAFFEE-WW SYSTEM IMPROVEMENTS	C295123-01	\$500,000.00	06/16/1992
COLUMBIA C295005-01	C295005-01	\$870,000.00	06/16/1992
DUCKETT CREEK SD-S-150 SEWER PROJECT	C295029-01	\$1,935,000.00	06/16/1992
EL DORADO SPRINGS-WW SYSTEM IMPROVEMENTS	C295158-01	\$1,375,000.00	06/16/1992
EXCELSIOR SPRINGS, CITY OF	C295019-01	\$2,870,000.00	06/16/1992
GLADSTONE, CITY OF	C295020-01	\$490,000.00	06/16/1992
KANSAS CITY - PUBLIC WORKS DEPARTMENT	C295095-01	\$2,115,000.00	06/16/1992
KANSAS CITY - WATER PCD	C295094-01	\$1,265,000.00	06/16/1992
MONETT-WWTF TERTIARY FILTER	C295124-01	\$815,000.00	06/16/1992
MONROE CITY, CITY OF	C295105-01	\$300,000.00	06/16/1992
MOUNT VERNON, CITY OF	C295071-01	\$790,000.00	06/16/1992
NEOSHO	C295077-01	\$420,000.00	06/16/1992
NEW MADRID-WW SYSTEM IMPROVEMENTS	C295165-01	\$1,200,000.00	06/16/1992
RAYMORE, CITY OF	C295017-01	\$4,350,000.00	06/16/1992
RICHMOND, CITY OF	C295135-01	\$1,450,000.00	06/16/1992
SLATER, CITY OF	C295016-01	\$330,000.00	06/16/1992
SPRINGFIELD - SAC RIVER TRUNK SEWER	C295048-01	\$9,110,000.00	06/16/1992
ST. ROBERT, WW SYSTEM IMPROVEMENTS	C295046-01	\$4,055,000.00	06/16/1992
VANDALIA, CITY OF	C295026-01	\$215,000.00	06/16/1992
WARRENSBURG, CITY OF	C295129-01	\$6,800,000.00	06/16/1992
WASHINGTON-WW SYSTEM IMPROVEMENTS	C295066-01	\$1,300,000.00	06/16/1992
WINDSOR	C295156-01	\$700,000.00	06/16/1992
ARNOLD-WW SYSTEM IMPROVEMENTS	C295097-02	\$1,135,000.00	09/08/1993
BYRNES MILL, CITY OF	C295172-01	\$1,200,000.00	09/08/1993
CAPE GIRARDEAU, PATHOGEN REDUCTION	C295004-02	\$500,000.00	09/08/1993
HANNIBAL BOARD OF PUBLIC WORKS	C295176-01	\$3,910,000.00	09/08/1993
HOLTS SUMMIT- LOAN-01, WW SYSTEM IMPROV.	C295192-01	\$1,750,000.00	09/08/1993
KELSO, VILLAGE OF	C295195-01	\$1,002,000.00	09/08/1993
KENNETT-WW SYSTEM IMPROVEMENTS	C295177-01	\$2,620,000.00	09/08/1993
ST. JOSEPH, CITY OF	C295188-01	\$10,308,000.00	09/08/1993
BRANSON, CITY OF	C295207-01	\$3,500,000.00	08/18/1994
HOLLISTER, CITY OF	C295161-01	\$1,900,000.00	08/18/1994
PECULIAR, CITY OF	C295180-01	\$2,605,000.00	08/18/1994
PLEASANT HILL, CITY OF	C295187-01	\$3,245,000.00	08/18/1994
STOCKTON-WW SYSTEM IMPROVEMENTS	C295181-01	\$965,000.00	08/18/1994
CARL JUNCTION, CITY OF	C295217-01	\$1,300,000.00	12/01/1994
CASSVILLE - WW SYSTEM IMPROVEMENTS	C295224-01	\$1,200,000.00	12/01/1994
DUCKETT CREEK SD-WW IMPR., WWTP #2	C295220-01	\$32,753,000.00	12/01/1994
LAKE TAPAWINGO, CITY OF	C295237-01	\$1,670,000.00	12/01/1994
LAWSON, CITY OF	C295200-01	\$170,000.00	12/01/1994
NIXA-WW SYSTEM IMPROVEMENTS	C295179-01	\$1,940,000.00	12/01/1994
SAVANNAH, CITY OF	C295197-01	\$700,000.00	12/01/1994
SPRINGFIELD - DEL PRADO TRUNK SEWER	C295047-01	\$1,545,000.00	12/01/1994
WARSAW WWTP	C295225-01	\$1,952,000.00	12/01/1994
KANSAS CITY - WSD C295248-01 1995B	C295248-01	\$18,000,000.00	04/25/1995
BRANSON, CITY OF	C295207-02	\$17,450,000.00	05/02/1995
CAPE GIRARDEAU, CSO & INTERCEPTOR WORK	C295229-01	\$11,462,661.15	06/29/1995
CHARLESTON-WW SYSTEM IMPROVEMENTS	C295234-01	\$1,430,000.00	06/29/1995
CLARKTON-WW SYSTEM IMPROVEMENTS	C295174-01	\$250,000.00	06/29/1995
GLENAIRE, CITY OF	C295244-01	\$459,000.00	06/29/1995
JOPLIN, CITY OF	C295226-01	\$20,000,000.00	06/29/1995
MOBERLY, CITY OF	C295178-01	\$6,600,000.00	06/29/1995
PLATTE COUNTY RSD - HOOVER HEIGHTS	C295233-01	\$375,000.00	06/29/1995
PLATTE COUNTY RSD - PEBECK	C295213-01	\$366,000.00	06/29/1995
WILLOW SPRINGS, CITY OF	C295198-01	\$520,000.00	06/29/1995
ASHLAND, CITY OF	C295239-01	\$200,000.00	11/14/1995
LITTLE BLUE VALLEY SEWER DISTRICT	C295014-01	\$11,290,000.00	11/14/1995
PERRYVILLE, CITY OF	C295253-01	\$5,000,000.00	11/14/1995
TANEY COUNTY RSD - COON CREEK	C295219-02	\$9,920,000.00	11/14/1995
CAMERON, CITY OF	C295276-01	\$2,905,000.00	04/25/1996

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Exhibit 4

Project Name	Project Number	Amount	Closing Date
GREENWOOD-BIG CREEK SEWER INTERCEPTOR	C295246-01	\$650,000.00	04/25/1996
KANSAS CITY - WSD C295248-02 1996A	C295248-02	\$24,000,000.00	04/25/1996
KEARNEY, CITY OF	C295249-01	\$990,000.00	04/25/1996
ASH GROVE, CITY OF	C295238-01	\$650,000.00	06/12/1996
CAPE GIRARDEAU, CSO & INTERCEPTOR WORK	C295229-02	\$13,535,000.00	06/12/1996
BOONVILLE, CITY OF	C295280-01	\$5,746,000.00	12/19/1996
CARTHAGE WWTF EXPANSION PHASE II	C295296-01	\$6,000,000.00	12/19/1996
HOLTS SUMMIT- LOAN-02, WW SYSTEM IMPROV.	C295192-02	\$611,000.00	12/19/1996
PLATTE COUNTY RSD - RUSH CREEK	C295263-02	\$7,220,000.00	12/19/1996
ROCK PORT, CITY OF	C295291-01	\$820,000.00	12/19/1996
ROLLA - SOUTHSIDE NID	C295255-01	\$616,000.00	12/19/1996
WEST PLAINS, CITY OF	C295260-01	\$2,587,000.00	12/19/1996
KANSAS CITY - PUBLIC WORKS DEPARTMENT	C295285-01	\$5,730,000.00	04/24/1997
KANSAS CITY - WSD C295248-03 1997B	C295248-03	\$22,235,000.00	04/24/1997
BATTLEFIELD, CITY OF	C295278-01	\$224,000.00	06/05/1997
FULTON -WWTF & COLL. SYSTEM IMPR.	C295282-01	\$6,000,000.00	06/05/1997
JONESBURG NEW INTERCEPTOR & SYSTEM REHAB	C295335-01	\$386,000.00	06/05/1997
OZARK, CITY OF	C295221-01	\$3,000,000.00	06/05/1997
PLATTE COUNTY RSD - PLATTE HILLS	C295263-01	\$1,455,000.00	06/05/1997
ST. JOSEPH, CITY OF	C295188-02	\$6,515,000.00	06/05/1997
TIPTON-WW SYSTEM IMPROVEMENTS	C295293-01	\$1,500,000.00	06/05/1997
TRENTON COLLECTION UPGRADE & EXTENSION	C295294-01	\$4,980,000.00	06/05/1997
BONNE TERRE-WW IMPR., SECT.A&B	C295281-01	\$3,190,000.00	12/03/1997
CALIFORNIA, CITY OF	C295261-01	\$2,500,000.00	12/03/1997
HAMILTON, CITY OF	C295284-01	\$1,500,000.00	12/03/1997
KEARNEY, CITY OF	C295249-02	\$700,000.00	12/03/1997
KIRKSVILLE-SAN.SEWER IMPR.LOANS 01&02	C295250-01	\$1,465,000.00	12/03/1997
MARSHFIELD WWTF IMPROVEMENTS	C295286-01	\$3,500,000.00	12/03/1997
NOEL-WWTF & SAN. SEWER (I&I) IMPROV.	C295288-01	\$430,000.00	12/03/1997
SIKESTON - NW WWTF & SAN. SEWER IMPR.	C295323-01	\$3,230,000.00	12/03/1997
CALIFORNIA, CITY OF	C295261-02	\$500,000.00	04/22/1998
CUBA, CITY OF	C295303-01	\$2,000,000.00	04/22/1998
GARDEN CITY, CITY OF	C295283-01	\$675,000.00	04/22/1998
KANSAS CITY - WSD C295248-04 1998A	C295248-04	\$9,200,000.00	04/22/1998
LINCOLN COUNTY PWSO #1	C295232-01	\$2,900,000.00	04/22/1998
PLATTE COUNTY RSD - MISTY SPRINGS	C295263-03	\$1,205,000.00	04/22/1998
BOONE COUNTY RSD	C295375-01	\$595,000.00	12/02/1998
BOONVILLE, CITY OF	C295280-02	\$750,000.00	12/02/1998
CONCORDIA, CITY OF	C295363-01	\$850,000.00	12/02/1998
KIRKSVILLE-SAN.SEWER IMPR.LOANS 01&02	C295250-02	\$1,180,000.00	12/02/1998
LAKE LOTAWANA, CITY OF	C295311-01	\$7,400,000.00	12/02/1998
LONE JACK	C295314-01	\$2,087,000.00	12/02/1998
SPRINGFIELD - BIOSOLIDS IMPROVEMENTS	C295214-01	\$1,600,000.00	12/02/1998
ST. ROBERT-CEDAR LANE WW COLL. SYSTEM	C295222-01	\$290,000.00	12/02/1998
UNIONVILLE, CITY OF	C295324-01	\$528,000.00	12/02/1998
HIGGINSVILLE, CITY OF	C295308-01	\$1,800,000.00	12/02/1998
CHILLICOTHE, CITY OF	C295302-01	\$2,600,000.00	06/03/1999
CLINTON, CITY OF	C295228-01	\$6,900,000.00	06/03/1999
COLUMBIA-WETLANDS & BEARCREEK	C295361-01	\$3,730,000.00	06/03/1999
KANSAS CITY - WSD C295248-05 1999A	C295248-05	\$6,000,000.00	06/03/1999
MARSHFIELD WWTF IMPR.COL.REHAB.SCADA,TRK	C295286-02	\$2,500,000.00	06/03/1999
NEW FRANKLIN	C295316-01	\$505,000.00	06/03/1999
PECULIAR, CITY OF	C295180-02	\$2,865,000.00	06/03/1999
REPUBLIC WWTP EXPANSION	C295321-01	\$6,110,000.00	06/03/1999
ROCK CREEK PUBLIC SEWER DISTRICT	C295367-02	\$8,775,000.00	06/03/1999
SALEM-WWTP PHASE II IMPROVEMENTS	C295347-01	\$1,350,000.00	06/03/1999
ST. CLAIR, CITY OF	C295256-01	\$2,245,000.00	06/03/1999
SULLIVAN - SULLIVAN HEIGHTS SEWER	C295185-02	\$1,495,000.00	06/03/1999
UNIONVILLE REHABILITATION - REFINANCE	C295324-02	\$580,000.00	06/03/1999
COLUMBIA-WETLANDS & BEARCREEK	C295361-02	\$1,420,000.00	12/02/1999
JACKSON INTERCEPTORS & BIOSOLIDS	C295247-01	\$3,405,000.00	12/02/1999
KIRKSVILLE-SO. OUTFALL SEWER REPLACEMENT	C295250-03	\$1,790,000.00	12/02/1999
RAYMORE, CITY OF	C295374-01	\$1,800,000.00	12/02/1999
ST. ROBERT-WWTP PHASE II IMPROVEMENTS	C295348-01	\$685,000.00	12/02/1999
TIPTON-PARALLEL & N. INTERCEPTOR SEWERS	C295410-01	\$450,000.00	12/02/1999
BOONE COUNTY RSD - 02 RTE K& 03 SHAW	C295375-02	\$1,090,000.00	04/12/2000
BOURBON, CITY OF	C295240-01	\$600,000.00	04/12/2000
BUFFALO WWTP EXPANSION & CS REHAB	C295371-01	\$1,500,000.00	04/12/2000
FARMINGTON-WEST WWTP EXPANSION	C295386-01	\$4,950,000.00	04/12/2000
KANSAS CITY - WSD C295248-06 & 07 2000	C295248-06	\$13,000,000.00	04/12/2000
KIMBERLING CITY SEWER AND PHOS	C295310-01	\$5,010,000.00	04/12/2000
PLATTE CITY	C295399-01	\$1,000,000.00	04/12/2000
ROLLA - SE TP	C295391-01	\$5,000,000.00	04/12/2000
CAPE GIRARDEAU TRICK FLT, ARENA, RAMSEY	C295229-03	\$8,355,000.00	11/21/2000
COLUMBIA-COW BRANCH	C295361-03	\$2,445,000.00	11/21/2000
FRANKLIN CO. PWSO #1-KRAKOW SEWER	C295325-01	\$1,700,000.00	11/21/2000
FREDERICKTOWN WWTP MODIFICATION & CS	C295306-01	\$2,400,000.00	11/21/2000
HOLT, CITY OF	C295341-02	\$1,195,000.00	11/21/2000
HUMANSVILLE LAGOON EXPANSION	C295413-01	\$525,000.00	11/21/2000

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Project Name	Project Number	Amount	Closing Date
KANSAS CITY - WSD C295248-06 & 07 2000	C295248-07	\$11,750,000.00	11/21/2000
MARBLE HILL-REBUILD PS#6,CLOSE LAGOON	C295393-01	\$270,000.00	11/21/2000
PLATTE COUNTY RSD - MESA C295263-09	C295263-09	\$2,965,000.00	11/21/2000
RICHLAND	C295370-01	\$1,500,000.00	11/21/2000
SCOTT CITY WW SYSTEM IMPROVEMENTS	C295395-01	\$1,000,000.00	11/21/2000
THAYER SEWER SYSTEM IMPROVEMENTS	C295292-01	\$570,000.00	11/21/2000
ADVANCE - NEW WWTF, 3-CELL LAGOON	C295277-01	\$690,000.00	04/18/2001
CONWAY LAGOON IMPROVEMENTS	C295423-01	\$355,000.00	04/18/2001
LAPLATA, CITY OF	C295392-01	\$1,040,000.00	04/18/2001
LAWSON, CITY OF	C295396-01	\$550,000.00	04/18/2001
OSAGE BEACH-PS & F M, KK EQUAL	C295342-01	\$5,000,000.00	04/18/2001
AURORA WWTP EXPANSION	C295344-01	\$3,000,000.00	11/20/2001
BUTLER WWTP UPGRADE, C295412-01	C295412-01	\$3,000,000.00	11/20/2001
BYRNES MILL	C295433-01	\$185,000.00	11/20/2001
CLINTON, CITY OF	C295228-02	\$1,055,000.00	11/20/2001
JEFFERSON CITY WWTP & WALNUT ST. PS	C295401-03	\$24,875,000.00	11/20/2001
KANSAS CITY - WSD C295248-08 2001C	C295248-08	\$17,000,000.00	11/20/2001
KIRKSVILLE-NORTHEAST PUMP STATION	C295250-04	\$565,000.00	11/20/2001
MONTGOMERY, CITY OF	C295360-01	\$3,500,000.00	11/20/2001
NIXA - WWTP UPGRADES	C295417-01	\$7,500,000.00	11/20/2001
REPUBLIC PUMP STATION & COLLECTION	C295321-02	\$8,190,000.00	11/20/2001
ROCK CREEK S.D. PHASE 1,2,3 & KIMMSWIC	C295367-04	\$16,780,000.00	11/20/2001
ST. MARTINS SEWER EXTENSION	C295420-01	\$370,000.00	11/20/2001
STEELVILLE WWTP IMPROVEMENTS & SEWER EXT	C295394-01	\$670,000.00	11/20/2001
WARRENTON WWTF IMPROV. PHASE 1	C295421-01	\$1,150,000.00	11/20/2001
WELDON SPRING-SAN. SEWER COLLECTION SYS.	C295235-02	\$1,040,000.00	11/20/2001
BROOKFIELD COLLECTION	C295388-01	\$1,540,000.00	05/08/2002
CARL JUNCTION WWTP EXPANSION	C295217-02	\$860,000.00	05/08/2002
COLUMBIA HOMINY BRANCH - H-21	C295361-04	\$2,230,000.00	05/08/2002
DUCKETT CREEK SD-HWY DD PS/INTERC/FM	C295411-01	\$3,985,000.00	05/08/2002
JACKSON-ELWA,HWY PP.E. MAIN, GOOSE CREEK	C295247-02	\$4,245,000.00	05/08/2002
PULASKI CO. S.D. #1 - NORTH HWY Y	C295320-05	\$2,705,000.00	05/08/2002
WARRENTON-WWTF IMPROV. PHASE 2	C295421-02	\$3,610,000.00	05/08/2002
BOLIVAR-REFINANCE 1998 CITY BONDS-COLL.	C295458-01	\$1,200,000.00	11/07/2002
BOONE COUNTY RSD - 02 RTE K& 03 SHAW	C295375-03	\$360,000.00	11/07/2002
CASSVILLE, CITY OF	C295473-01	\$2,935,000.00	11/07/2002
CRYSTAL CITY WWTP	C295109-02	\$3,575,000.00	11/07/2002
EAST PRAIRIE LAGOON IMPROVEMENTS	C295455-01	\$315,000.00	11/07/2002
FESTUS WWTP	C295305-02	\$3,575,000.00	11/07/2002
GREENFIELD COLLECTION SYSTEM	C295425-02	\$1,095,000.00	11/07/2002
HARRISONVILLE-EXTRA. BASIN&NEW PS#2	C295365-02	\$4,370,000.00	11/07/2002
KANSAS CITY - WSD C295248-10 2002B	C295248-10	\$10,000,000.00	11/07/2002
KIRKSVILLE-NORTHEAST PUMP STATION	C295250-05	\$645,000.00	11/07/2002
MOUNTAIN VIEW - NEW WWTP	C295466-02	\$3,500,000.00	11/07/2002
PLATTE COUNTY RSD #1	C295263-11	\$465,000.00	11/07/2002
SPRINGFIELD - PHASE 6, SW WWTP EXPANSION	C295406-01	\$43,625,000.00	11/07/2002
SULLIVAN - HUGHES FORD ROAD SEWER	C295327-01	\$700,000.00	11/07/2002
LITTLE BLUE VALLEY ATHERTON WWTP	C295439-02	\$88,915,000.00	01/30/2003
COLUMBIA HOMINY BRANCH - H-21	C295361-05	\$3,620,000.00	04/09/2003
HARRISONVILLE-N. & S. REL.&AE&CON PS#1	C295365-03	\$3,295,000.00	04/09/2003
KIRKSVILLE-E. ANNEX-.06 & N. ANNEX-.07	C295250-06	\$1,385,000.00	04/09/2003
MARIONVILLE WWTF-OXIDATION DITCH	C295464-01	\$3,230,000.00	04/09/2003
MONETT WWTF EXPANSION	C295452-01	\$8,950,000.00	04/09/2003
OAK GROVE WWTP & CS	C295426-01	\$6,600,000.00	04/09/2003
WARDSVILLE WWTP & CS PHASE 1	C295381-01	\$1,415,000.00	04/09/2003
AVA WWTP & CS IMPROVEMENTS	C295456-01	\$3,355,000.00	11/20/2003
BOWLING GREEN SEWER IMPROVEMENTS	C295241-02	\$5,560,000.00	11/20/2003
CENTER CREEK WWTP CAPACITY INCREASE	C295446-01	\$4,000,000.00	11/20/2003
HAYTI-WW SYSTEM IMPROVEMENTS	C295454-01	\$1,700,000.00	11/20/2003
SAVANNAH WWTP	C295197-02	\$1,500,000.00	11/20/2003
WINONA CS REHAB & WWTP IMPROVEMENTS	C295468-01	\$490,000.00	11/20/2003
BOONE COUNTY R.S.D-C295375-04	C295375-04	\$1,095,000.00	05/28/2004
COLUMBIA HOMINY BRANCH - H-21	C295361-06	\$650,000.00	05/28/2004
MOBERLY - LIFT STATION G & C.S. IMPROVE	C295178-02	\$7,150,000.00	05/28/2004
MSD - 99066A, L. MERAMEC RIVER WWTP	C295023-09A	\$49,245,000.00	05/28/2004
MSD - 99066A, L. MERAMEC RIVER WWTP	C295023-09B	\$101,180,000.00	05/28/2004
MSD - 99066A, L. MERAMEC RIVER WWTP	C295023-09C	\$10,855,000.00	05/28/2004
ODESSA C295451-01	C295451-01	\$6,000,000.00	05/28/2004
HOLDEN, CITY OF	C295389-02	\$1,345,000.00	12/09/2004
KANSAS CITY - WSD C295248-11 IDL & 13 SRF	C295248-13	\$10,500,000.00	12/09/2004
PARKVILLE C295012-01	C295012-01	\$2,740,000.00	12/09/2004
TANEY CO. RSD-BEE CREEK WW COLL. SYS.	C295219-04	\$15,590,000.00	12/09/2004
HARRISONVILLE RS & REHAB-C295365-04	C295365-04	\$1,710,000.00	05/19/2005
JEFFERSON CITY - HWY 54 PS & CS REHAB	C295401-02	\$4,600,000.00	05/19/2005
LAWSON, CITY OF C295396-02	C295396-02	\$330,000.00	05/19/2005
MSD - 99076, MO RIVER WWTP REHAB PROJECT	C295023-18	\$6,800,000.00	05/19/2005
NOEL - DEER PARK & N.NOEL SEWER EXT.	C295441-01	\$535,000.00	05/19/2005
PACIFIC WWTP IMPROVEMENTS	C295189-01	\$2,100,000.00	05/19/2005
PULASKI CO. S.D. #1-DRY CREEK SEWER	C295320-04	\$1,770,000.00	05/19/2005

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Project Name	Project Number	Amount	Closing Date
SPRINGFIELD - NW WWTP EXPANSION	C295406-02	\$7,110,000.00	05/19/2005
ARNOLD - MSD CONNECTION	C295497-02	\$6,125,000.00	11/30/2005
HERCULANEUM WWTP C295490-01	C295490-01	\$6,000,000.00	11/30/2005
INDIAN POINT-JAKES CRK TRAIL WW SYSTEM	C295267-01	\$795,000.00	11/30/2005
JEFFERSON CITY - GREEN MEADOW PS & ALGOA	C295401-04	\$10,105,000.00	11/30/2005
KIRKSVILLE-E. ANNEX-.06 & N. ANNEX-.07	C295250-07	\$1,595,000.00	11/30/2005
LIBERTY C295503-01	C295503-01	\$6,180,000.00	11/30/2005
NEWBURG-WW SYSTEM IMPROVEMENTS	C295484-01	\$250,000.00	11/30/2005
OSAGE BEACH C295504-01	C295504-01	\$4,950,000.00	11/30/2005
WENTZVILLE PHASE1 WWTP C295444-01	C295444-01	\$19,430,000.00	11/30/2005
ARNOLD - MSD CONNECTION	C295497-01	\$2,875,000.00	04/27/2006
BATTLEFIELD COLL. SYS.	C295457-01	\$850,000.00	04/27/2006
ELDON WWTP & CS IMPROVEMENTS	C295422-01	\$4,600,000.00	04/27/2006
MOBERLY - CSO & LS IMPROV.(PHASE 2)	C295178-03	\$5,460,000.00	04/27/2006
MSD - 99076, MO RIVER WWTP HEADWORKS	C295023-19	\$42,715,000.00	04/27/2006
OZARK - LAMBERT LS, S.V. INT., WWTP EXP.	C295505-01	\$7,980,000.00	04/27/2006
PLATTE COUNTY WWTP& PS C295263-12	C295263-12	\$11,910,000.00	04/27/2006
RAYTOWN C295506-01	C295506-02	\$7,590,000.00	04/27/2006
SENECA - SEWER EXTENSIONS	C295210-01	\$765,000.00	04/27/2006
WARDSVILLE PHASE 2, 3, & 4 C295381-02	C295381-02	\$760,000.00	04/27/2006
BOONE COUNTY R. S. D. C295375-05	C295375-05	\$675,000.00	11/16/2006
COLUMBIA S. GRINDSTONE P1- C295499-01	C295499-01	\$915,000.00	11/16/2006
GREENFIELD - EVANS LAGOON LIFT STATION	C295425-03	\$210,000.00	11/16/2006
MSD - CREVE COEUR CRK L-52 PUMP STATION	C295023-26	\$14,205,000.00	11/16/2006
ROLLA - SW WWTP	C295517-01	\$3,005,000.00	11/16/2006
WESTON-SEWAGE TREATMENT FAC. IMPR.	C295511-01	\$800,000.00	11/16/2006
ASHLAND	C295385-01	\$1,000,000.00	05/01/2007
LINN-C295478-01	C295478-01	\$2,000,000.00	05/01/2007
OZARK - ELK VALLEY WWTP, INTERCEPTORS	C295505-02	\$15,125,000.00	05/01/2007
RAYTOWN C295506-01	C295506-03	\$5,495,000.00	05/01/2007
SPRINGFIELD-SW WWTP FLOOD CONTROL & CRYO	C295406-03	\$7,855,000.00	05/01/2007
WARRENSBURG-PHASE 1 WW SYSTEM IMPR.	C295510-02	\$14,150,000.00	05/01/2007
BOONE COUNTY R.S.D.-C295375-06	C295375-06	\$2,710,000.00	11/15/2007
BUFFALO-WWTF IMPR. & COLL. REHAB	C295371-02	\$3,800,000.00	11/15/2007
COLUMBIA-C295499-02	C295499-02	\$1,800,000.00	11/15/2007
DEXTER-WWTF IMPR. E.&W. LAGOONS	C295500-01	\$4,500,000.00	11/15/2007
NEVADA-WWTF IMPROVEMENTS	C295010-01	\$12,000,000.00	11/15/2007
OWENSVILLE-WW SYSTEM UPGRADES	C295521-01	\$3,525,000.00	11/15/2007
TRENTON-WWTF IMPROVEMENTS	C295294-02	\$8,000,000.00	11/15/2007
WASHINGTON-WWTP EXPANSION/COLL.IMPR.	C295526-01	\$20,000,000.00	11/15/2007
JEFFERSON CITY-BASINS 16/17,RIVERSIDE PS	C295401-05	\$3,900,000.00	10/30/2008
LAPLATA, CITY OF	C295392-02	\$805,000.00	10/30/2008
MILAN WWTP - SRF AND STAG AND RSG	C295343-01	\$2,150,000.00	10/30/2008
MOBERLY-WWTF & LS IMPROV. (PHASE 3)	C295178-04	\$2,560,000.00	10/30/2008
MOUNT VERNON-WWTP & I/I IMPR.	C295071-02	\$5,715,000.00	10/30/2008
MSD-LEMAY WWTP (WET WEATHER EXPANSION)	C295023-24	\$40,000,000.00	10/30/2008
STOCKTON-NEW OXIDATION DITCH WWTF	C295509-01	\$3,500,000.00	10/30/2008
	275	\$1,454,547,661.15	
Funding Type: NOTE LOAN			
MSD - NOTE 1	C295023-01	\$68,000,000.00	01/09/1991
MSD - NOTE 2	C295023-02	\$85,000,000.00	02/04/1992
MSD - NOTE 3	C295023-03	\$50,000,000.00	12/09/1993
MSD - NOTE 4	C295416-01	\$72,545,000.00	06/08/2000
	4	\$275,545,000.00	
Funding Type: SRF CASH FLOW DIRECT LOAN			
WARRENSBURG-PHASE 1&2 WW SYSTEM IMPR.	C295510-03	\$8,548,500.00	03/31/2010
EL DORADO SPRINGS	C295545-01	\$7,646,600.00	05/25/2010
MSD - MO RIVER WWTP SEC.TRT. & DIS. (A)	C295564-01	\$37,000,000.00	12/21/2010
JOPLIN-TURKEY CRK & SHOAL CRK WWTF'S	C295548-02	\$26,000,000.00	01/26/2011
WENTZVILLE C295444-02	C295444-02	\$20,631,000.00	03/14/2011
LBVSD - MIDDLE BIG CREEK SUB-DISTRICT	C295525-01	\$37,850,000.00	03/16/2011
MACON - DISINFECTION FACILITIES	C295599-01	\$1,300,000.00	03/17/2011
WAYNESVILLE-WWTF IMPR. & COLL. REHAB	C295637-01	\$4,750,000.00	03/21/2011
BOONE CO. R. S. D. C295375-09 RTE. K WWT	C295375-09	\$438,000.00	06/14/2011
CUBA-WWTP & COLLECTION C295560-01	C295560-01	\$2,460,000.00	06/22/2011
TAOS	C295541-01	\$3,372,000.00	07/26/2011
STOCKTON-SEWER COLL SYSTEM IMPR	C295628-01	\$1,640,000.00	08/23/2011
MSD - MO RIVER WWTP SEC TRT & DIS	C295564-02	\$39,769,300.00	11/30/2011
BOONE CRSD - C295375-14 - RAY/N. GRINDST	C295375-14	\$1,360,000.00	05/09/2012
PERRY SEWER REHABILITATION	C295690-01	\$292,000.00	05/10/2012
NORTHEAST PSD OF JEFF CO - SALINE CREEK	C295684-01	\$12,000,000.00	06/05/2012
CAPE GIRARDEAU - NEW 11 MGD SBR WWTF	C295531-01	\$31,000,000.00	06/19/2012
LOUISIANA WWTP REPLACEMENT	C295686-01	\$5,980,000.00	09/12/2012
JEFFERSON CITY-COLE JUNT. FM.RTE B-06	C295401-06	\$15,000,000.00	11/13/2012
ST. JOSPEH, CITY OF, WHITEHEAD CREEK CSO	C295699-02	\$14,660,000.00	03/26/2013
CAPE GIRARDEAU-NEW 11 MGD SBR WWTF	C295531-02	\$3,250,000.00	06/18/2013
CAPE GIRARDEAU-NEW 11 MGD SBR WWTF	C295531-03	\$35,750,000.00	06/18/2013
BOONE CO. RSD C295375-12 ROCKY FORK & HH	C295375-12	\$12,198,000.00	07/17/2013
CARL JUNCTION (PW)-WWTP EXPAN./I&I REHAB	C295650-01	\$2,050,000.00	10/30/2013

SRF Binding Commitments
State Fiscal Years 1989 through 2017

Exhibit 4

Project Name	Project Number	Amount	Closing Date
MSD - MO RIVER WWTP SEC. TRT. & DIS.	C295564-03	\$52,000,000.00	10/31/2013
SUNRISE BEACH	C295540-01	\$629,000.00	11/26/2013
ST. JOSEPH, CITY OF, WWTP UPGRADES	C295699-04	\$56,000,000.00	04/10/2014
ODESSA	C295675-01	\$8,000,000.00	08/26/2014
JOPLIN (PW) - SHOAL WWTP FILT./SEWER REHAB	C295548-03	\$3,282,000.00	10/27/2014
ST. JOSEPH, CITY OF, EASTSIDE WW IMPROVE	C295699-01	\$28,585,000.00	11/05/2014
KIRKVILLE-PHASE 8: CMP SEWER/BASIN F&G	C295250-10	\$1,485,000.00	12/10/2014
BOONE CO. R.S.D.-C295375-10-SUNRISE EST	C295375-10	\$3,064,000.00	04/20/2015
NEVADA WW COLLECTION IMPROVEMENTS	C295698-01	\$2,722,000.00	05/05/2015
BELTON WWTP C295712-01	C295712-01	\$13,977,000.00	06/03/2015
ODESSA	C295675-02L	\$3,000,000.00	07/29/2015
MSD I/I REHAB & MO RIVER WWTP UPGRADE	C295023-37L	\$75,000,000.00	08/18/2015
MONETT WWTF IMPROV C295452-02	C295452-02L	\$1,895,000.00	10/13/2015
LIBERTY WWTF C295702-01	C295702-01	\$79,000,000.00	11/10/2015
PULASKI CO. S.D.#1-WEEKS HOLLOW WWTF	C295320-06	\$6,894,500.00	11/12/2015
MACON-SOLIDS DEWATERING IMPR.	C295725-01L	\$826,000.00	11/16/2015
WINDSOR PLACE, THE VILLAGE OF-WWTF IMPR.	C295721-01L	\$939,000.00	11/23/2015
FULTON WWTP C295714-01	C295714-01	\$13,000,000.00	12/03/2015
KIRKSVILLE-C295250-11 WWTP EXPANSION	C295250-11	\$18,000,000.00	02/22/2016
ALBA - WW SYSTEM IMPR.	C295709-01L	\$1,217,000.00	02/23/2016
BRASHEAR C295669-01	C295669-01L	\$486,000.00	02/25/2016
ST. JOSEPH, CITY OF, BLACKSNAKE CSO	C295699-03	\$10,000,000.00	10/06/2016
PIERCE CITY C295696-01 WW IMPR.	C295696-01L	\$496,000.00	11/10/2016
RENICK	C295806-01L	\$429,000.00	12/12/2016
MADISON	C295658-01L	\$1,616,000.00	12/20/2016
NEW LONDON WWTP & I/I	C295728-01L	\$879,000.00	12/21/2016
WELLSVILLE WWTP & CS	C295807-01L	\$595,000.00	12/21/2016
MSD I/I REHAB & MO RIVER WWTP UPGRADE	C295023-38	\$20,000,000.00	12/22/2016
MSD PUBLIC I/I RED PROGRAM PHASE V	C295023-39	\$75,500,000.00	12/22/2016
CHAMOIIS	C295703-01L	\$455,000.00	04/27/2017
ST. JOSEPH	C295699-05	\$66,850,000.00	08/23/2017
	55	\$871,766,900.00	
Funding Type: SRF GRANT			
UPPER WHITE RIVER BASIN FOUNDATION, INC	C295611-01	\$1,000,000.00	07/19/2011
MACOG	C295707-01	\$1,000,000.00	08/02/2012
TANEY CO. RSD-TRI-LAKES BIOSOLIDS PROJ	C295538-01	\$3,000,000.00	10/15/2013
CARL JUNCTION (PW)-WWTP EXPAN./I&I REHAB	C295650-01	\$2,050,000.00	11/06/2013
SUNRISE BEACH	C295540-01	\$1,886,911.00	11/25/2013
JOPLIN (PW)-SHOAL WWTF FILT./SEWER REHAB	C295548-03	\$2,800,000.00	10/27/2014
AURORA (PW)-WWTF SCREEN IMPR./INT. REHAB	C295711-01	\$805,829.00	01/14/2015
ROCKY MOUNT (PHASE I)	C295623-01G	\$3,000,000.00	03/25/2015
ODESSA	C295675-02G	\$3,000,000.00	07/21/2015
MONETT WWTF IMPROV C295452-02	C295452-02G	\$945,260.00	10/13/2015
MACON-SOLIDS DEWATERING IMPR.	C295725-01G	\$825,500.00	11/16/2015
WINDSOR PLACE, THE VILLAGE OF-WWTF IMPR.	C295721-01G	\$607,758.00	11/23/2015
ALBA - WW SYSTEM IMPR.	C295709-01G	\$1,217,000.00	02/23/2016
BRASHEAR C295669-01	C295669-01G	\$484,852.00	02/25/2016
UPPER WHITE RIVER BASIN FOUNDATION, INC	C295611-01A	\$1,000,000.00	04/14/2016
PIERCE CITY C295696-01 WW IMPR.	C295696-01G	\$494,860.00	11/10/2016
RENICK	C295806-01G	\$425,590.00	12/12/2016
MADISON	C295658-01G	\$1,570,468.00	12/20/2016
NEW LONDON WWTP & I/I	C295728-01G	\$2,315,460.00	12/21/2016
WELLSVILLE WWTP & CS	C295807-01G	\$1,555,159.00	12/21/2016
CHAMOIIS	C295703-01G	\$922,815.00	04/25/2017
	21	\$30,907,462.00	
Total Binding Commitments		\$2,914,188,440.36	

**Missouri Department of Natural Resources
Clean Water State Revolving Fund
Statement of Net Position - Unaudited
September 30, 2017**

Exhibit 5

	Loan Fund	Administrative Fee Fund	Total Enterprise Funds
Assets:			
Current assets:			
Cash and cash equivalents	\$ 244,578,719	\$ 37,624,151	\$ 282,202,870
Restricted cash and cash equivalents	1,121,413	-	1,121,413
Restricted investments	1,497,275	-	1,497,275
Receivables:			
Loan interest	8,713,732	-	8,713,732
Investment interest	631,146	73,277	704,423
Administrative fees	-	2,302,350	2,302,350
Due from EPA	6,787	-	6,787
Other receivables	48,387	-	48,387
Current portion of loans receivable:			
Leveraged loans	60,490,000	-	60,490,000
Reserve loans	43,611,954	-	43,611,954
Direct loans	39,394,086	-	39,394,086
Nonpoint source loans	822,300	-	822,300
Total current assets	<u>400,915,799</u>	<u>39,999,778</u>	<u>440,915,577</u>
Non-current assets:			
Restricted investments	1,947,636	-	1,947,636
Loans receivable:			
Leveraged loans	415,957,024	-	415,957,024
Reserve loans	290,432,072	-	290,432,072
Direct loans	733,125,148	-	733,125,148
Nonpoint source loans	2,094,268	-	2,094,268
Total non-current assets	<u>1,443,556,148</u>	<u>-</u>	<u>1,443,556,148</u>
Capital assets	-	193,219	193,219
Less accumulated depreciation	-	(138,254)	(138,254)
Capital assets, net of accumulated depreciation	<u>-</u>	<u>54,965</u>	<u>54,965</u>
Total assets	<u>1,844,471,947</u>	<u>40,054,743</u>	<u>1,884,526,689</u>
Deferred Outflows:			
Deferred amount due on refunding	21,549,409	-	21,549,409
Deferred outflows - pension	666,510	471,064	1,137,574
Total deferred outflows	<u>22,215,919</u>	<u>471,064</u>	<u>22,686,983</u>
Liabilities:			
Current liabilities:			
Salaries and benefits payable	(21)	88,943	88,922
Accounts payable	1,183	693,485	694,668
Bond interest payable	6,377,299	-	6,377,299
Current portion of bonds payable	62,157,413	-	62,157,413
Other payables	514,902	361,594	876,496
Total current liabilities	<u>69,050,776</u>	<u>1,144,022</u>	<u>70,194,798</u>
Non-current liabilities:			
Bonds payable, net	506,670,310	-	506,670,310
Net pension liability	1,492,489	1,451,250	2,943,739
Total non-current liabilities	<u>508,162,799</u>	<u>1,451,250</u>	<u>509,614,049</u>
Total liabilities	<u>577,213,575</u>	<u>2,595,272</u>	<u>579,808,847</u>
Deferred Inflows:			
Deferred inflows - pension	19,001	67,870	86,871
Total deferred inflows	<u>19,001</u>	<u>67,870</u>	<u>86,871</u>
Net position:			
Net investment in capital assets	-	54,965	54,965
Restricted for loans and debt service	1,289,455,290	37,807,700	1,327,262,990
Total net position	<u>\$ 1,289,455,290</u>	<u>\$ 37,862,665</u>	<u>\$ 1,327,317,955</u>

See accompanying notes to the financial statements.

Missouri Department of Natural Resources
Clean Water State Revolving Fund
Statement of Revenues, Expenses and Changes in Fund Net Position - Unaudited
Year Ended September 30, 2017

Exhibit 6

	Loan Fund	Administrative Fee Fund	Total Enterprise Funds
Operating revenues:			
Interest income on SRF loans	\$ 35,394,275	\$ -	\$ 35,394,275
Administrative fees	-	7,911,283	7,911,283
Other	1,233,363	100	1,233,463
Total operating revenues	<u>36,627,638</u>	<u>7,911,383</u>	<u>44,539,021</u>
Operating expenses:			
Salaries and benefits	1,211,940	1,330,681	2,542,621
Travel	5,922	-	5,922
Other administrative expenses	56,522	2,452,092	2,508,614
Indirect costs	330,345	467,926	798,271
Disbursements to grant recipients	7,180,658	6,054,565	13,235,223
Depreciation expense	-	21,716	21,716
Total operating expenses	<u>8,785,387</u>	<u>10,326,982</u>	<u>19,112,369</u>
Operating income (loss)	<u>27,842,251</u>	<u>(2,415,599)</u>	<u>25,426,652</u>
Non-operating revenues (expenses):			
Environmental Protection Agency grants	36,915,200	-	36,915,200
Investment income	2,293,375	307,250	2,600,625
Interest expense on bonds payable	(23,944,196)	-	(23,944,196)
Bond issue expense	(6,969)	-	(6,969)
House Bill 1.025 - debt service	(614,346)	-	(614,346)
Total non-operating revenues (expenses)	<u>14,643,064</u>	<u>307,250</u>	<u>14,950,314</u>
Increase (decrease) in net position	42,485,315	(2,108,349)	40,376,966
Net position, beginning of year as previously stated	<u>1,246,969,975</u>	<u>39,971,014</u>	<u>1,286,940,989</u>
Net position, beginning of year as restated	<u>1,246,969,975</u>	<u>39,971,014</u>	<u>1,286,940,989</u>
Net position, end of year	<u>\$ 1,289,455,290</u>	<u>\$ 37,862,665</u>	<u>\$ 1,327,317,955</u>

See accompanying notes to the financial statements.

Missouri Department of Natural Resources
Clean Water State Revolving Fund
Statement of Cash Flows - Unaudited
Year Ended September 30, 2017

Exhibit 7

	Loan Fund	Administrative Fee Fund	Total Enterprise Funds
Cash flows from operating activities:			
Grant disbursements	\$ (7,086,419)	\$ (6,006,050)	\$ (13,092,469)
Loan disbursements	(127,750,480)	-	(127,750,480)
Repayments received on loans	149,912,474	-	149,912,474
Interest received on loans	37,088,881	-	37,088,881
Administrative fees	-	8,497,891	8,497,891
Payments to employees	(1,084,124)	(1,211,393)	(2,295,517)
Other administrative payments	(392,428)	(2,752,940)	(3,145,368)
Other	1,713,940	100	1,714,040
Net cash provided (used) by operating activities	<u>52,401,844</u>	<u>(1,472,392)</u>	<u>50,929,452</u>
Cash flows from noncapital financing activities:			
Bond principal retired	(66,973,035)	-	(66,973,035)
Interest paid on bonds	(28,373,343)	-	(28,373,343)
Environmental Protection Agency grants	37,114,925	-	37,114,925
House Bill 1.025 - debt service	(614,346)	-	(614,346)
Bond issuance costs	(6,969)	-	(6,969)
Net cash provided by noncapital financing activities	<u>(58,852,768)</u>	<u>-</u>	<u>(58,852,768)</u>
Cash flows from capital and related financing activities:			
Purchase of capital assets	<u>-</u>	<u>(23,147)</u>	<u>(23,147)</u>
Cash flows from investing activities:			
Proceeds from sales and investing maturities	969,473	-	969,473
Investment income	2,181,969	288,284	2,470,253
Net cash provided by investing activities	<u>3,151,442</u>	<u>288,284</u>	<u>3,439,726</u>
Increase (decrease) in cash and cash equivalents	(3,299,482)	(1,207,255)	(4,506,737)
Cash and cash equivalents, beginning of year	<u>248,999,614</u>	<u>38,831,406</u>	<u>287,831,020</u>
Cash and cash equivalents, end of year	<u>\$ 245,700,132</u>	<u>\$ 37,624,151</u>	<u>\$ 283,324,283</u>
Cash and cash equivalents consisted of the following:			
Cash and cash equivalents	\$ 244,578,719	\$ 37,624,151	\$ 282,202,870
Restricted cash and cash equivalents	1,121,413	-	1,121,413
Total cash and cash equivalents	<u>\$ 245,700,132</u>	<u>\$ 37,624,151</u>	<u>\$ 283,324,283</u>
Reconciliation of net operating income (loss) to net cash provided (used) by operating activities:			
Operating income (loss)	\$ 27,842,251	\$ (2,415,599)	\$ 25,426,652
Adjustments to reconcile net operating income (loss) to net cash provided (used) by operations:			
Depreciation expense	-	21,716	21,716
(Increase) decrease in deferred outflows pension	(393,966)	(268,695)	(662,661)
(Increase) decrease in net pension liability	563,986	360,076	924,062
(Increase) decrease in deferred inflows pension	(18,452)	(4,658)	(23,110)
Changes in assets and liabilities:			
Decrease in loan interest receivable	1,694,606	-	1,694,606
Decrease in loans receivable	22,161,994	-	22,161,994
Decrease (increase) in other receivables	480,577	586,608	1,067,185
Increase (decrease) in accounts payable	70,848	248,160	319,008
Net cash provided (used) by operating activities	<u>\$ 52,401,844</u>	<u>\$ (1,472,392)</u>	<u>\$ 50,929,452</u>

See accompanying notes to the financial statements.

**Missouri Department of Natural Resources
Clean Water State Revolving Fund
Statement of Fiduciary Net Position
September 30, 2017**

Exhibit 8

	<u>Agency Fund</u>
Assets:	
Cash and cash equivalents	\$ 4,432,539
Investment interest receivable	1,090
Other receivables	-
Investments:	
Guaranteed investment contracts	-
Government and agency bonds	-
Commercial paper	-
U.S. Treasury bills	-
Total assets	<u>4,433,629</u>
Liabilities:	
Project costs payable to communities	122,881
Interest subsidies payable to communities	107
Arbitrage rebate payable	310,928
Due other funds	-
Due to other governments	3,451,142
Other payables	548,570
Total liabilities	<u>4,433,629</u>
Net position	<u><u>\$ -</u></u>

See accompanying notes to the financial statements.

Missouri Department of Natural Resources
Clean Water State Revolving Fund
Notes to Financial Statements - Unaudited
Exhibit 9

Note 1: Summary of Significant Accounting Policies

Reporting Entity

The department's Clean Water State Revolving Fund (SRF) program was established pursuant to Title VI of the Federal Water Quality Act of 1987. The act established the Clean Water SRF program to replace the construction grants program to provide loans at reduced interest rates to finance the construction of publicly-owned water pollution control facilities, nonpoint source pollution control projects, and estuary management plans. The Clean Water SRF program provides low-interest rate loans and grants to finance the eligible costs of qualified projects. The Clean Water SRF program provides a flexible financing source that can be used for a variety of pollution control projects, including nonpoint source pollution control projects, and developing estuary conservation and management plans. Loans typically are repaid within 20 years, and all repayments, including interest and principal, must remain in the SRF loan fund, except for qualifying expenses.

The Clean Water SRF was capitalized by the U.S. Environmental Protection Agency through a series of grants starting in 1988. For most of the grants, states are required to provide an additional 20 percent of the federal capitalization grant as matching funds in order to receive the grant. As of Sept. 30, 2017, Congress had authorized the EPA to award \$1,199,382,631 in capitalization grants to the state of Missouri. The state is required to contribute \$214,651,565 in matching funds.

The program is administered by the department, the Missouri Environmental Improvement and Energy Resources Authority (EI ERA), and the Missouri Clean Water Commission. The EI ERA issues bonds or notes to finance qualified projects, and the department receives the capitalization grants from the EPA. The program is comprised of four funds within the state and an agency fund that holds the construction loan funds. The state funds are:

- Water and Wastewater Loan Fund (fund 0649) – receives the federal capitalization grant funds and uses those funds to make grants and loans and to pay some of the program's administrative expenses;
- Water and Wastewater Loan Revolving Fund (fund 0602) – receives loan repayments and uses those funds to make new loans;
- Water Pollution Permit Fee Fund (fund 0568) – receives the loan fees charged to borrowers and pays the administrative expenses of the program and other eligible expenses for water quality purposes. This fund is also referred to as the administration fee fund;

Missouri Department of Natural Resources
Clean Water State Revolving Fund
Notes to Financial Statements - Unaudited
Exhibit 9

Note 1: Summary of Significant Accounting Policies (continued)

- Water Pollution Control Bond and Interest Fund – A2010 (fund 0209) – holds the funds that will be used to pay debt service on the Series A2010 state match bond.

The Agency Fund accounts for the monies held at trustee banks on behalf of the loan participants. This includes the funds generated by the sale of bonds that are deposited with a trustee bank in the applicant's name and are used for SRF eligible activities, their unspent loan funds, debt service reserve funds, as well as the rebate funds held for arbitrage payments.

The state of Missouri's statewide Comprehensive Annual Financial Report includes the Clean Water SRF as a special revenue fund, which uses the modified accrual basis of accounting. Due to differences in reporting methods, there may be differences between the amounts reported in these financial statements and the Comprehensive Annual Financial Report. One major difference between the amounts reported in these financial statements and the Comprehensive Annual Financial Report is that the agency fund is not included in the Comprehensive Annual Financial Report but is shown in these financial statements. Another difference is the difference in reporting period.

Program Operations

The program provides financing to participants using three main types of funding: leveraged and reserve loans, direct loans, and grants.

A. Leveraged and Reserve Loans

Prior to state fiscal year 2010, the program's main type of financing was leveraged and reserve loans. Missouri leveraged federal and state matching funds by issuing revenue bonds to make loans to qualified communities and by using federal grant and state matching funds to create reserves for the loans. Interest earned on the reserves subsidizes loan interest rates and enhances the security of the loans, which are pledged to repay bond principal and interest. Borrowers, in essence, receive two loans from the Clean Water SRF: 1) a market-rate loan funded by the revenue bond proceeds that equals project construction costs; and 2) a zero-rate loan funded by capitalization grants and state matching funds that equals 70 percent of the project loan (50 percent prior to 1993). Bond proceeds are deposited to the construction loan funds held by the trustee bank. As communities draw on these funds to pay construction costs, the reserve accounts are funded. For loans closed in state fiscal year 2009, the reserve accounts were funded at closing rather than as construction funds were released. Earnings in the reserve account reduce the borrower's net interest payments on the bonds, resulting in the subsidized, blended interest rate on the project loan.

Missouri Department of Natural Resources
Clean Water State Revolving Fund
Notes to Financial Statements - Unaudited
Exhibit 9

Note 1: Summary of Significant Accounting Policies (continued)

Beginning with bond series 2004C, a portion of the revenue bonds sold to fund the leveraged loans are state match bonds that will be repaid with interest earnings on the loans. The state match bond proceeds are used to fund a portion of the construction loan account, while the reserve account is funded with federal grant and recycled funds.

B. Direct Loans

Direct loans that were closed prior to state fiscal year 2010 were funded up front from recycled funds. Loan proceeds were deposited to the construction loan accounts held by the trustee bank. As construction costs were incurred, funds were released from the trustee bank to the borrower.

During state fiscal year 2010, the program changed how direct loans are funded. Instead of depositing 100 percent of the loan proceeds in a trustee bank at the time of closing, the loan is funded incrementally. Similar to a line of credit, funds are requested by the loan recipient as construction costs are incurred.

C. Grants

Missouri was awarded the American Recovery and Reinvestment Act (ARRA) capitalization grant during state fiscal year 2010. The terms and conditions of the ARRA capitalization grant required that not less than 50 percent of assistance provided be in the form of additional loan subsidies, such as principal forgiveness, negative interest loans, or grants. Missouri chose to provide the required additional subsidization through grants. ARRA projects were funded through a combination of 50 percent grant and 50 percent loan with a maximum grant of \$3,000,000 per applicant. Disadvantaged communities were eligible for a 75 percent grant with a 25 percent direct loan.

Missouri Department of Natural Resources
Clean Water State Revolving Fund
Notes to Financial Statements - Unaudited
Exhibit 9

Note 1: Summary of Significant Accounting Policies (continued)

Missouri has chosen to provide the additional subsidization through grants. The following table lists the ranges at which additional subsidization is required:

Federal Fiscal Year	Clean Water Capitalization Grant	Fiscal Year Awarded	Percentage	Planned Amount	Actual Amount Awarded
2010	CS290001-15	2011	Not < than 14.98%	\$10,608,161	\$10,608,161
2011	CS290001-16	2012	Not > than 30.89%	\$12,644,571	\$7,313,097
2012	CS290001-17	2013	Not > than 8.25%	\$3,266,140	\$3,266,140
2013	CS290001-18	2014	Not > than 7.07%	\$2,614,923	\$2,614,923
2014	CS290001-19	2014	Not > than 8.16%	\$3,172,658	\$3,172,658
2015	CS290001-20	2015	Not > than 30%	\$4,000,000	\$1,454,509
2016	CS290001-21	2016	10% to 40%	\$5,703,900	\$2,477,974
2017	CS290001-22	2017	10% to 40%	\$5,675,400	\$0

Basis of Accounting

The financial statements include enterprise funds and a fiduciary fund. The loan and administrative fee funds are presented as enterprise funds and the agency fund is presented as a fiduciary fund. All funds are maintained on the accrual basis. The enterprise funds are accounted for using the flow of economic resources measurement focus. Under the accrual basis of accounting, revenues are recognized when earned and expenses are recorded at the time the liabilities are incurred. All assets, deferred outflows of resources and liabilities associated with the operations of the loan and administrative fee funds are included on the statement of net position. The assets and liabilities of the agency fund are included on the statement of fiduciary net position. Fiscal year end accruals include expenditures the program was cognizant of through Oct. 31, 2017.

Clean Water SRF reports the following major funds:

Loan Fund. The loan fund provides financial assistance to municipalities, counties, political subdivisions, and instrumentalities of the state, and in some cases individuals, small business owners, and others in the private sector. Funding is generated from federal capitalization grants, proceeds of revenue bonds issued to provide required state matching monies, proceeds of revenue bonds issued for the leveraged program, and recycled monies.

Administration Fee Fund. This fund accounts for the administration fees received on loans and the use of those fees to pay salaries and associated expenses of program

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Note 1: Summary of Significant Accounting Policies (continued)

personnel devoting time to the administration of the program. This fund is also available for eligible water quality purposes as defined in the Intended Use Plan (IUP).

In addition, the program reports the following fund type:

Agency Fund. This fund accounts for monies held on behalf of municipalities, counties, political subdivisions, and instrumentalities of the state. This includes the funds generated by the sale of bonds which are deposited with a trustee bank in the applicant's name and are used for SRF eligible activities, their unspent loan funds, debt service reserve funds, as well as the rebate funds held for arbitrage payments.

Cash, Cash Equivalents, and Investments

A. Enterprise Funds

All monies in the state funds (funds 0209, 0568, 0602, and 0649) are required to be deposited with the Missouri state treasurer's office, which is responsible for maintaining these deposits in accordance with state law. The program considers all such deposits to be cash. Investment interest earnings on these deposits are received by the program periodically throughout the month. According to state law, the treasurer is responsible for maintaining the cash balances and investing excess cash of the program, as further discussed in Note 2. Consequently, management of the program does not have any control over the investment of the excess cash. The statement of cash flows considers all funds deposited with the treasurer to be cash or cash equivalents, regardless of actual maturities of the underlying investments.

Monies of the Enterprise Funds that are held at the trustee bank in the master trust bond expense fund and the main bond debt service funds are invested in money market mutual funds by the trustee bank and are considered to be cash or cash equivalents. This does not include monies held at trustee banks on behalf of the loan participants. Those monies are accounted for under the Agency Fund.

B. Agency Fund

The Agency Fund accounts for the monies held at trustee banks on behalf of the loan participants. This includes the funds generated by the sale of bonds that are deposited with a trustee bank in the applicant's name and are used for SRF eligible activities, their unspent loan funds, debt service reserve funds, as well as the rebate funds held for arbitrage payments. The program considers all highly liquid investments with original maturities of three months or less to be cash equivalents.

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Note 1: Summary of Significant Accounting Policies (continued)

Operating Revenues and Expenses

Revenues and expenses as a result of providing grants and loans to participants are considered operating revenues and expenses. Operating revenues include interest earned on loans and administration fee revenue. Operating expenses include grant payments and accruals, salaries, benefits, depreciation, and other administrative expenses. The non-operating revenues and expenses of the Clean Water SRF program are the EPA capitalization grant revenues, investment income, contributions from the state of Missouri and bond related expenses.

Administrative expenses to manage and operate the Clean Water SRF program and other water quality purposes include staff salaries of \$2,542,621. These expenses are outlined in Exhibit 6.

Administration Fees

The program charges an administration fee to borrowers to fund administrative costs of operating the program and other water quality purposes. During the period ending Sept. 30, 2017, \$8,497,891 was collected for administration fees from borrowers, \$288,284 of investment interest was received, and \$3,964,333 was paid for administrative expenses and capital asset purchases from the administration fee fund. The cash balance of the administration fee fund was \$37,624,151 as of Sept. 30, 2017.

Pensions

For purposes of measuring the net pension liability, deferred outflows of resources and deferred inflows of resources related to pensions, and pension expense, information about the fiduciary net position of the Missouri State Employees' Retirement System (MOSERS) and additions to or deductions from MOSERS' fiduciary net position have been determined on the same basis as they are reported by MOSERS. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with the benefit terms. Investments are reported at fair value.

Bonds Payable

Revenue bonds issued prior to 2010 are special limited obligations of the EIARA, payable from borrower loan repayments and a reserve account established for each borrower (equal to 70 percent of the outstanding bond principal), in accordance with a master trust agreement. Interest expense is reported on the accrual basis. Due to the flow-through effect of the bonds and related receivables, bond discounts, premiums, and issuance costs are not reported by the program since they represent the costs to the borrowers.

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Note 1: Summary of Significant Accounting Policies (continued)

Borrowers make monthly payments to debt service repayment accounts, which also earn interest that further subsidizes the interest rates. On bond payment dates, transfers are made from the repayment accounts to the debt service funds to make the semi-annual interest payments and annual bond principal payments. Interest earnings on the construction loan accounts and reserve accounts are also transferred to the debt service funds on the bond payment dates. These interest earnings reduce the amount that is needed from the repayment accounts.

As outstanding bond principal is reduced, a proportional amount is released from the reserve account. The released amounts flow to the master trust unallocated fund, and, if there are no loan defaults, are transferred to the Water and Wastewater Loan Revolving Fund to be used to make new loans.

Bonds issued since 2010 are different than those issued before 2010. There is no longer a direct link between the bonds and the loans. Any premium or cost of issuing the bonds is no longer passed on to the loan borrower. Therefore, those amounts are reported on the program's financial statements.

State match bonds that are immediately and directly deposited inside the Clean Water SRF, and that will be repaid using Clean Water SRF interest earnings, are recorded as bonds payable. The first state match bonds that met this criteria were sold in August 2002.

State general obligation bonds sold prior to August 2002 that were used to provide state match for the Clean Water SRF program and were initially repaid with state general revenue funds rather than Clean Water SRF interest earnings. Therefore, the state general obligation bonds were recorded as contributed capital as the state funds were transferred into the Water and Wastewater Loan Fund. They were not recorded as Clean Water SRF bonds payable because the Clean Water SRF program was not obligated to repay them. During state fiscal year 2007, the EPA approved the use of Clean Water SRF interest earnings to pay debt service on the bonds issued prior to 2002. The amount of interest earnings used to pay debt service on these bonds during 2017 was \$614,346. The obligation to repay the remainder of the bonds still rests with the state and not the Clean Water SRF program. The amount of interest earnings used to repay the bonds will be appropriated each year based on the amount of available interest and will not necessarily be for the full amount of debt service due on the bonds. As such, the bonds are not considered Clean Water SRF bonds payable and the amount paid with the Clean Water SRF interest earnings each year will be expensed.

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Note 1: Summary of Significant Accounting Policies (continued)

Deferred Outflows/Inflows of Resources

In addition to assets, the statement of net position will sometimes report a separate section for deferred outflows of resources. This separate financial statement element, *deferred outflows of resources*, represents a consumption of net position that applies to a future period and so will *not* be recognized as an outflow of resources (expense/expenditure) until then. The program has two items that qualify for reporting in this category. Those are the deferred charge on refunding and the deferred outflows for pension reported in the statement of net position. A deferred charge on refunding results from the difference in the carrying value of refunded debt and its reacquisition price. This amount is deferred and amortized over the shorter of the life of the refunded or refunding debt.

In addition to liabilities, the statement of financial position will sometimes report a separate section for deferred inflows of resources. This separate financial statement element, *deferred inflows of resources*, represents an acquisition of net position that applies to future periods and so will *not* be recognized as an inflow of resources (revenue) until that time. The program has one item that qualifies for reporting in this category, which is deferred inflow for pension.

Pending Governmental Accounting Standards Board Statements

GASB Statement No. 81

GASB Statement No. 81, *Irrevocable Split-Interest Agreements* was issued March 2016. The objective of this Statement is to improve accounting and financial reporting for irrevocable split-interest agreements by providing recognition and measurement guidance for situations in which a government is a beneficiary of the agreement. Split-interest agreements are a type of giving agreement used by donors to provide resources to two or more beneficiaries, including governments. Split-interest agreements can be created through trusts or other legally enforceable agreements with characteristics that are equivalent to split-interest agreements in which a donor transfers resources to an intermediary to hold and administer for the benefit of a government and at least one other beneficiary. The requirements of this statement are effective for periods beginning after Dec. 15, 2016.

GASB Statement No. 82

GASB Statement No. 82, *Pension Issues – an amendment of GASB Statements No. 67, No. 68, and No. 73*, was issued March 2016. The objective of this statement is to address certain issues that have been raised with respect to Statements No. 67, Financial Reporting for Pension Plans; No. 68, Accounting and Financial Reporting for Pensions;

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Note 1: Summary of Significant Accounting Policies (continued)

and No. 73, Accounting and Financial Reporting for Pensions and Related Assets That Are Not within the Scope of GASB Statement 68; and Amendments to Certain Provisions of GASB Statements 67; and 68. Specifically, this statement addresses issues regarding (1) the presentation of payroll-related measures in required supplementary information, (2) the selection of assumptions and the treatment of deviations from the guidance in an Actuarial Standard of Practice for financial reporting purposes, and (3) the classification of payments made by employers to satisfy employee (plan member) contribution requirements. The requirements of this statement are effective for reporting periods beginning after June 15, 2016, except for the requirements of paragraph 7 in a circumstance in which an employer's pension liability is measured as of a date other than the employer's most recent fiscal year end. In that circumstance, the requirements of paragraph 7 are effective for that employer in the first reporting period in which the measurement date of the pension liability is on or after June 15, 2017.

GASB Statement No. 83

GASB Statement No. 83, *Certain Asset Retirement Obligations*, was issued November 2016. This statement addresses accounting and financial reporting for certain asset retirement obligations. An asset retirement obligation is a legally enforceable liability associated with the retirement of a tangible capital asset. A government that has legal obligations to perform future asset retirement activities related to its tangible capital assets should recognize a liability based on the guidance in this statement. The requirements of this statement are effective for reporting periods beginning after June 15, 2018.

GASB Statement No. 84

GASB Statement No. 84, *Fiduciary Activities*, was issued January 2017. The objective of this Statement is to improve guidance regarding the identification of fiduciary activities for accounting and financial reporting purposes and how those activities should be reported. This Statement establishes criteria for identifying fiduciary activities of all state and local governments. The focus of the criteria generally is on (1) whether a government is controlling the assets of the fiduciary activity and (2) the beneficiaries with whom a fiduciary relationship exists. Separate criteria are included to identify fiduciary component units and postemployment benefit arrangements that are fiduciary activities. The requirements of this statement are effective for reporting periods beginning after Dec. 15, 2018.

GASB Statement No. 85

GASB Statement No. 85, *Omnibus 2017*, was issued March 2017. The objective of this statement is to address practice issues that have been identified during implementation and application of certain GASB Statements. This statement addresses a variety of topics

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Note 1: Summary of Significant Accounting Policies (continued)

including issues related to blending component units, goodwill, fair value measurement and application, and postemployment benefits (pensions and other postemployment benefits [OPEB]). The requirements of this statement are effective for reporting periods beginning after June 15, 2017.

GASB Statement No. 86

GASB Statement No. 86, *Certain Debt Extinguishment Issues*, was issued May 2017. The primary objective of this statement is to improve consistency in accounting and financial reporting for in-substance defeasance of debt by providing guidance for transactions in which cash and other monetary assets acquired with only existing resources, resources other than the proceeds of refunding debt, are placed in an irrevocable trust for the sole purpose of extinguishing debt. This statement also improves accounting and financial reporting for prepaid insurance on debt that is extinguished and notes to financial statements for debt that is defeased in substance. The requirements of this statement are effective for reporting periods beginning after June 15, 2017.

GASB Statement No. 87

GASB Statement No. 87, *Leases*, was issued June 2017. The objective of this statement is to better meet the information needs of financial statement users by improving accounting and financial reporting for leases by governments. This statement increases the usefulness of governments' financial statements by requiring recognition of certain lease assets and liabilities for leases that previously were classified as operating leases and recognized as inflows of resources or outflows of resources based on the payment provisions of the contract. It establishes a single model for lease accounting based on the foundational principle that leases are financings of the right to use an underlying asset. Under this statement, a lessee is required to recognize a lease liability and an intangible right-to-use lease asset, and a lessor is required to recognize a lease receivable and a deferred inflow of resources, thereby enhancing the relevance and consistency of information about governments' leasing activities. The requirements of this statement are effective for reporting periods beginning after Dec. 15, 2019.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosures of contingent assets and liabilities at the date of the financial statements and

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Note 1: Summary of Significant Accounting Policies (continued)

the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

Note 2: Cash, Cash Equivalents, and Investments

State Funds

All cash in the state funds (funds 0209, 0568, 0602, and 0649) is required to be deposited with the state treasurer, who is responsible for maintaining and investing the pooled cash balances in accordance with state laws. The treasurer is required to maintain a mix of investments in order to allow funds to be withdrawn at any time to meet normal operating needs. The program's share of the investment income from the local government investment pool is based on the average daily balance for the period and is credited to the program periodically throughout the month. The treasurer has its own policies for custodial credit risk, interest rate risk, credit risk, concentration of credit risk, and foreign currency risk. Details of the investments and risks can be obtained from the state treasurer's office.

All cash and investments in the local investment pool are stated at cost, which approximates fair market value. The investments in the local government investment pool are not exposed to custodial credit risk because their existence is not evidenced by securities that exist in physical or book entry form.

Trustee Bank Funds

All cash and investments held by trustee banks are invested in accordance with the trustee investment agreement and the bond indentures. Allowable investments include:

- Federal securities
- Direct and general obligations of the State which are pledged by the full faith and credit of the State and are rated in either of the two highest rating categories
- Deposits at banks, trust companies, or savings and loan associations which are fully insured by the Federal Deposit Insurance Corporation (FDIC)
- Federal funds, unsecured certificates of deposit, time deposits, and bankers acceptances (having maturities of not more than 365 days) of any bank and which are rated in the highest short-term rating category
- Unsecured promissory notes of any bank, trust company, national banking association, or bank holding company equal in quality to such institution's outstanding unsecured long-term debt that is rated in the highest rating category
- Tax exempt permitted investments
- Any other investment agreement with a provider which is rated, or whose unsecured, long-term obligations are rated at least "Aa2" or equivalent, or with a provider whose

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Note 2: Cash, Cash Equivalents, and Investments (continued)

obligations are guaranteed by a guarantor which is rated, or whose unsecured, long-term obligations are rated at least “Aa2” or equivalent

- Commercial paper issued by domestic corporations rated in the second highest short-term rating category
- Shares in money market mutual funds rated in the highest applicable rating category

Custodial credit risk. This is the risk that, in the event of the failure of the counterparty, the program will not be able to recover the value of its deposits or investments. There are no cash and cash equivalents held by the trustee banks that were exposed to custodial credit risk. Also, no cash and cash equivalents were invested in money market mutual funds.

As of Sept. 30, 2017, the loan fund had the following investments:

Interest rate risk. Interest rate risk is the risk that changes in interest rates may adversely affect the investment’s fair value. The program does not have a policy to address interest rate risk.

Investment Type	Fair Value	Investment Maturities		
		<1 Year	1-5 Years	>5 Years
Guaranteed Investment	\$ 1,232,000	\$ 297,500	\$ 934,500	\$ -
Gov't Agency & State and Local	\$ 2,212,911	\$ 684,377	\$ 755,446	\$ 773,088
	\$ 3,444,911	\$ 981,877	\$ 1,689,946	\$ 773,088

Credit risk. The trustee banks are responsible for monitoring credit risk as it relates to the types of investments that can be made in accordance with the trustee investment agreement. The program has no investment policy that further limits its investment choices.

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Note 2: Cash, Cash Equivalents, and Investments (continued)

Concentration of credit risk. The program places no limit on the amount that may be invested with any one issuer. The percent of total investments held by each provider during the reporting period as of Sept. 30, 2017 were as follows:

Investment Issuer	Fair Value	Percent of Total
Trinity Plus Funding Company LLC	\$ 1,232,000	100%

Note 3: Loans Receivable

Loans receivable consist of: leveraged loans, reserve loans, direct loans and nonpoint source loans. Leveraged loans are funded by the sale of revenue bonds, the proceeds of which are deposited to a construction loan fund. Borrowers are loaned funds from the construction loan fund to pay for construction costs incurred. The terms of the loans mirror the terms of the bonds in order to provide the funds to pay bond interest and principal according to the terms of the bonds. In conjunction with the leveraged loan that funds construction, a reserve loan is made to provide an interest subsidy to the borrower and to provide security for bond principal and interest. With direct loans, there is no bond sale directly related to the loan. The loans are funded directly from the federal capitalization grant or recycled monies. The following details the types of loans as of Sept. 30, 2017:

<u>Loan Type</u>	<u>Loan Amount Authorized</u>	<u>Outstanding Balance</u>
Leveraged Loans	\$1,730,092,661	\$476,447,024
Reserve Loans	\$1,164,691,027	\$334,044,026
Direct Loans	\$1,196,494,236	\$772,519,234
Nonpoint Source Loans	\$19,342,890	\$2,916,568
Totals	<u>\$4,110,620,814</u>	<u>\$1,585,926,852</u>
Less Current Maturities		<u>\$144,318,340</u>
Loans Receivable, Net of Current Portion		<u><u>\$1,441,608,512</u></u>

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Note 3: Loans Receivable (continued)

Loans receivable activity during the period ended Sept. 30, 2017 is summarized as follows:

Loan Type	9/30/2016			9/30/2017
	Balance	Disbursements	Repayments	Balance
Direct Loans	\$687,737,025	\$127,750,480	(\$42,968,271)	\$772,519,234
Nonpoint Source	\$3,827,967	-	(\$911,400)	\$2,916,568
Leveraged Loans	\$538,496,559	-	(\$62,049,535)	\$476,447,024
Reserve Loans	\$378,027,294	-	(\$43,983,268)	\$334,044,026
Total	<u>\$1,608,088,845</u>	<u>\$127,750,480</u>	<u>(\$149,912,474)</u>	<u>\$1,585,926,852</u>

Loan Maturities

The scheduled principal payments in subsequent years are as follows:

Year Ending Sept. 30, 2017	Direct	Nonpoint Source	Leveraged	Reserve	Total
2018	\$39,394,086	\$822,300	\$60,490,000	\$43,611,954	\$144,318,340
2019	\$43,061,068	\$519,261	\$62,017,024	\$44,788,023	\$150,385,376
2020	\$44,058,140	\$524,100	\$60,235,000	\$42,577,872	\$147,395,112
2021	\$46,029,185	\$284,974	\$56,320,000	\$39,324,031	\$141,958,190
2022	\$45,367,872	\$289,504	\$55,405,000	\$38,499,116	\$139,561,492
2023-2027	\$236,331,066	\$412,129	\$165,785,000	\$113,730,741	\$ 516,258,936
2028-2032	\$233,123,628	\$64,300	\$16,195,000	\$11,512,289	\$ 260,895,217
2033-2037	\$85,154,189	-	-	-	\$85,154,189
	\$ 772,519,234	\$ 2,916,568	\$ 476,447,024	\$ 334,044,026	\$1,585,926,852

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Note 3: Loans Receivable (continued)

Loans to Major Local Agencies

As of Sept. 30, 2017, the program had made loans to 24 agencies whose outstanding loan balances represents approximately 83 percent of the total loans receivable, as shown below:

Borrower	Original Amount	Outstanding Principal Balance	Outstanding Reserve Balance
BELTON	\$21,232,000	\$12,403,634	\$0
BLUE SPRINGS	33,789,000	17,722,900	0
BOONE COUNTY R.S.D.	25,434,400	18,613,700	2,106,451
CAPE GIRARDEAU	106,352,661	69,489,000	4,742,500
COLUMBIA	80,015,000	51,990,700	3,965,273
DUCKETT CREEK SANITARY DIST	38,673,000	1,435,000	1,041,110
JEFFERSON CITY	58,480,000	32,214,200	14,051,152
JOPLIN	61,082,000	30,529,160	0
KANSAS CITY	161,950,000	29,615,300	14,233,631
KIRKSVILLE	30,640,000	21,232,046	1,827,693
LIBERTY	86,653,000	81,376,177	2,508,179
LITTLE BLUE VALLEY SEWER DIST	138,055,000	87,625,382	39,585,082
METROPOLITAN ST. LOUIS SEWER	874,705,280	354,075,723	93,330,881
MOBERLY	23,049,500	7,385,000	5,310,781
ODESSA	21,050,000	13,625,562	1,986,454
OZARK	26,105,000	13,985,000	9,914,652
PLATTE COUNTY R.S.D.	25,220,000	11,927,024	9,381,057
ROCK CREEK PUBLIC SEWER DIST	25,555,000	7,190,000	5,092,530
SPRINGFIELD	119,495,000	37,623,100	20,489,583
ST. JOSEPH	192,918,000	103,622,453	0
TANEY COUNTY R.S.D.	31,548,000	2,900,000	2,271,653
WARRENSBURG	29,498,500	14,661,500	6,109,298
WASHINGTON	21,300,000	12,895,000	9,237,565
WENTZVILLE	40,061,000	24,935,000	7,705,579
TOTAL	\$2,272,861,341	\$1,059,072,561	\$254,891,104

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Note 4: Bonds Payable

The Missouri Clean Water SRF program issues revenue bonds to finance qualified projects and uses federal capitalization grants and state matching funds to provide reserves for the bonds. The bonds are issued by the EI ERA and proceeds from the bond sales are deposited into the borrowers' accounts with the trustee banks. Bonds payable and loans receivable are recorded in the loan fund. Cash and project costs payable are recorded in the agency fund. As borrowers incur costs, funds are transferred from the construction loan fund to the borrower. At the same time, the program draws federal and state matching funds to establish the bond reserves at 70 percent of the amount released from the construction loan fund. For bond series 2008A, the reserves were fully funded on the day of bond closing. Interest earned on the construction loan fund and the reserve fund subsidizes the interest on the borrower's loan. As borrowers repay the loans, the principal and interest serve as the source of funds to pay bond principal and interest.

Beginning with Bond Series 2004C, state match revenue bonds were issued by the EI ERA in addition to leveraged bonds. Proceeds from both the state match bonds and the leveraged bonds are deposited into the borrowers' accounts at the trustee banks. The reserves for the leveraged bonds are then funded by federal capitalization grants or recycled funds.

In state fiscal year 2011, revenue bond series 2010B was issued. In addition, in state fiscal year 2015, state match revenue bond series 2015A was issued by EI ERA. These bond sales are different from previous bonds in that they were to provide additional funding that can be used to fund any loan being funded with recycled monies. The principal and interest repayments on the program's direct loans have been pledged to make the principal and interest repayments on the bonds.

In addition to revenue bonds, there have been three state match general obligation bond issues. The state issued series A2002 to provide state match funding. In July 2010, the state issued series A2010, which partially refunded series A2002. In September 2012, the state issued series A2012 which refunded the rest of series A2002.

As of Sept. 30, 2017, 34 separate revenue bond series remain outstanding which have a total principal balance of \$522,476,400 and one separate general obligation bond series which have a current outstanding balance of \$5,739,500. The individual series, outstanding balances, and principal due included:

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Note 4: Bonds Payable (continued)

Series	Amount Issued	Outstanding Balance	Current Portion	Effective Rate to Community
Revenue Bond Series 1995D interest of 4.75% to 6.25% due semi-annually, principal due annually to January 2017.	11,462,661	0	259,535.25	2.99
Revenue Bond Series 1996B interest of 3.6% to 5.9% due semi-annually, principal due annually to January 2017.	4,545,000	0	50,000	2.27
Revenue Bond Series 1996D interest of 4.1% to 5.9% due semi-annually, principal due annually to January 2019.	14,185,000	120,000	110,000	2.35
Revenue Bond Series 1996E interest of 3.8% to 6.0% due semi-annually, principal due annually to January 2019.	23,600,000	70,000	105,000	2.30
Revenue Bond Series 1997B interest of 3.95% to 5.75% due semi-annually, principal due annually to January 2017.	22,235,000	0	50,000	2.43
Revenue Bond Series 1997D interest of 4.3% to 6.0% due semi-annually, principal due annually to January 2019.	24,060,000	45,000	165,000	2.04
Revenue Bond Series 1997E interest of 3.9% to 5.125% due semi-annually, principal due annually to January 2019.	14,015,000	50,000	55,000	1.83
Revenue Bond Series 1997F interest of 4.05% to 5.45% due semi-annually, principal due annually to January 2018.	2,500,000	155,000	150,000	1.83
Revenue Bond Series 1998A interest of 3.9% to 5.25% due semi-annually, principal due annually to January 2019.	16,480,000	95,000	85,000	1.83
Revenue Bond Series 1998B interest of 3.45% to 5.25% due semi-annually, principal due annually to January 2020.	17,080,000	151,400	115,000	1.81
Revenue Bond Series 1999A interest of 3.625% to 5.25% due semi-annually, principal due annually to January 2020.	45,655,000	6,020,000	2,300,000	1.77
Revenue Bond Series 1999B interest of 4.125% to 5.75% due semi-annually, principal due annually to July 2020.	9,550,000	135,000	85,000	1.98
Revenue Bond Series 2000A interest of 4.6% to 5.75% due semi-annually, principal due annually to July 2021.	32,150,000	575,000	310,000	2.82
Revenue Bond Series 2000B interest of 4.5% to 5.625% due semi-annually, principal due annually to July 2021.	34,675,000	740,000	405,000	2.32
Revenue Bond Series 2001A interest of 4.0% to 5.0% due semi-annually, principal due annually to January 2022.	7,635,000	195,000	70,000	1.84

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Note 4: Bonds Payable (continued)

Series	Amount Issued	Outstanding Balance	Current Portion	Effective Rate to Community
Revenue Bond Series 2001B interest of 3.0% to 5.375% due semi-annually, principal due annually to January 2019. (Refunding Bonds)	122,060,000	1,775,000	2,110,000	n/a
Revenue Bond Series 2001C interest of 3.0% to 5.375% due semi-annually, principal due annually to July 2023.	88,880,000	7,145,000	5,175,000	1.96
Revenue Bond Series 2002A interest of 2.0% to 5.375% due semi-annually, principal due annually to January 2023.	19,175,000	705,000	215,000	1.89
Revenue Bond Series 2002B interest of 2.0% to 5.50% due semi-annually, principal due annually to July 2023.	76,360,000	2,650,000	935,000	2.25
Revenue Bond Series 2003A interest of 2.5% to 4.0% due semi-annually, principal due annually to January 2024.	88,915,000	6,560,000	1,560,000	1.15
Revenue Bond Series 2003B interest of 2.0% to 5.125% due semi-annually, principal due annually to January 2025.	28,495,000	1,455,000	350,000	1.27
Revenue Bond Series 2003C interest of 2.0% to 4.75% due semi-annually, principal due annually to July 2025.	16,605,000	735,000	185,000	1.19
Revenue Bond Series 2004A interest of 2.0% to 5.0% due semi-annually, principal due annually to July 2021. (Refunding Bonds)	60,300,000	11,970,000	4,405,000	n/a
Revenue Bond Series 2004B interest of 2.0% to 5.0% due semi-annually, principal due annually to January 2027.	176,175,000	25,245,000	8,865,000	2.12
Revenue Bond Series 2004C interest of 3.0% to 5.25% due semi-annually, principal due annually to January 2025.	30,175,000	5,850,000	230,000	1.54
2004C Leveraged Portion	25,655,000	4,960,000	0	
2004C State Match Portion	4,520,000	890,000	230,000	
Revenue Bond Series 2005A interest of 3.0% to 5.0% due semi-annually, principal due annually to July 2026.	24,955,000	1,630,000	330,000	1.80
2005A Leveraged Portion	21,175,000	685,000	135,000	
2005A State Match Portion	3,780,000	945,000	195,000	
Revenue Bond Series 2005C interest of 3.0% to 5.25% due semi-annually, principal due annually to July 2027.	55,430,000	11,020,000	450,000	1.38
2005C Leveraged Portion	47,340,000	8,715,000	10,000	
2005C State Match Portion	8,090,000	2,305,000	440,000	

Missouri Department of Natural Resources
Clean Water State Revolving Fund
Notes to Financial Statements - Unaudited
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Note 4: Bonds Payable (continued)

Series	Amount Issued	Outstanding Balance	Current Portion	Effective Rate to Community
Revenue Bond Series 2006A interest of 4.0% to 5.25% due semi-annually, principal due annually to July 2027.	\$85,505,000	14,805,000	3,855,000	1.38
2006A Leveraged Portion	65,825,000	9,060,000	2,720,000	
2006A State Match Portion	19,680,000	5,745,000	1,135,000	
Revenue Bond Series 2006B interest of 4.0% to 5.0% due semi-annually, principal due annually to July 2027.	19,810,000	1,580,000	280,000	1.58
2006B Leveraged Portion	16,975,000	565,000	110,000	
2006B State Match Portion	2,835,000	1,015,000	170,000	
Revenue Bond Series 2007B interest of 4.0% to 5.0% due semi-annually, principal due annually to January 2029.	56,335,000	6,035,000	2,610,000	1.54
2007B Leveraged Portion	48,310,000	2,560,000	2,130,000	
2007B State Match Portion	8,025,000	3,475,000	480,000	
Revenue Bond Series 2008A interest of 4.0% to 5.75% due semi-annually, principal due annually to January 2029.	58,630,000	11,510,000	2,790,000	1.62
2008A Leveraged Portion	50,290,000	7,715,000	2,275,000	
2008A State Match Portion	8,340,000	3,795,000	515,000	
State General Obligation Bond Series A2010, interest of 4.0% to 5.0% due semi-annually, principal due annually to January 2022. (Refunding Bonds)	9,412,000	5,739,500	803,500	n/a
Revenue Bond Series 2010A interest of 2.0% to 5.0% due semi-annually, principal due annually to January 2024. (Refunding Bonds)	169,500,000	119,880,000	13,335,000	n/a
Revenue Bond Series 2010B interest of 2.0% to 5.0% due semi-annually, principal due annually to July 2030.	53,315,000	17,225,000	2,820,000	n/a
2010B Leveraged Portion	43,175,000	11,400,000	2,055,000	
2010B State Match Portion	10,140,000	5,825,000	765,000	
Revenue Bond Series 2011A interest of 2.0% to 5.0% due semi-annually, principal due annually to January 2025. (Refunding Bonds)	96,350,000	77,820,000	3,135,000	n/a
Revenue Bond Series 2013A interest of 2.0% to 5.0% due semi-annually, principal due annually to January 2027. (Refunding Bonds)	65,905,000	58,175,000	3,100,000	n/a

Missouri Department of Natural Resources
Clean Water State Revolving Fund
Notes to Financial Statements - Unaudited
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Note 4: Bonds Payable (continued)

Series	Amount Issued	Outstanding Balance	Current Portion	Effective Rate to Communit
Revenue Bond Series 2015A Interest of 1.5% to 5.0% due semi-annually, principal due semi-annually to January 2036. (State Match only)	23,960,000	19,035,000	1,890,000	n/a
Revenue Bond Series 2015B interest of 3.0% to 5.0% due semi-annually, principal due annually to July 2030 (Refunding Bonds)	116,540,000	111,320,000	3,230,000	n/a
2015B Leveraged Portion	113,865,000	109,015,000	2,860,000	
2015B State Match Portion	2,675,000	2,305,000	370,000	

Bond activity during the twelve months ended Sept. 30, 2017 is summarized as follows:

Series	Amount Issued	Outstanding Balance	Current Portion
Leveraged Bonds	\$1,721,157,661	\$477,141,400	\$59,979,535
Total State Match Bonds	\$101,457,000	\$51,074,500	\$6,993,500
Premium on All Bonds		\$42,513,434	\$6,768,171
Total Revenue & GO Bonds	\$1,822,614,611	\$570,729,334	\$73,741,206

Series	9/30/2016 Balance	Repayments	New Issues	9/30/2017 Balance
Leveraged Bonds	\$537,120,935	\$(59,979,535)	\$0	\$477,141,400
Total State Match Bonds	\$58,068,000	\$(6,993,500)	\$0	\$51,074,500
Premium on All Bonds	\$48,363,346	\$(5,849,912)	\$0	\$42,513,434
Total Revenue & GO Bonds	\$643,552,281	\$(72,822,947)	\$0	\$570,729,334

The required annual payments, not including premium and deferred amounts, for all general obligation and revenue bonds for subsequent fiscal years are as follows:

**Missouri Department of Natural Resources
Clean Water State Revolving Fund
Notes to Financial Statements - Unaudited
Exhibit 9**

Note 4: Bonds Payable (continued)

Leveraged Bonds

Year Ending Sept 30	Principal	Interest	Total
2018	\$59,501,400	\$22,068,406	\$81,569,806
2019	\$55,615,000	\$19,112,343	\$74,727,343
2020	\$54,170,000	\$16,342,000	\$70,512,000
2021	\$51,590,000	\$13,707,483	\$65,297,483
2022	\$50,490,000	\$11,201,160	\$61,691,160
2023-2027	\$175,905,000	\$23,817,488	\$199,722,488
2028-2032	\$29,870,000	\$1,523,519	\$31,393,519
	<u>\$477,141,400</u>	<u>\$107,772,399</u>	<u>\$584,913,799</u>

Match Bonds

Year Ending Sept 30	Principal	Interest	Total
2018	\$6,763,500	\$2,303,405	\$9,066,905
2019	\$6,476,000	\$1,990,249	\$8,466,249
2020	\$6,155,500	\$1,684,999	\$7,840,499
2021	\$5,802,000	\$1,408,289	\$7,210,289
2022	\$5,420,500	\$1,143,068	\$6,563,568
2023-2027	\$15,757,000	\$2,705,740	\$18,462,740
2028-2032	\$4,355,000	\$385,981	\$4,740,981
2033-2037	\$345,000	\$12,825	\$357,825
	<u>\$51,074,500</u>	<u>\$11,634,556</u>	<u>\$62,709,056</u>

Advance Refunding

Seven separate revenue refunding bond series (Series 1997A, 2001B, 2004A, 2010A, 2011A, 2013A, and 2015B) totaling \$646,440,000 and one general obligation refunding bond series (Series A2010) totaling \$9,412,000 were issued to provide resources to purchase U.S. Government State and Local Government Series securities that were placed in irrevocable trusts for the purpose of generating resources for future debt service payments of \$669,885,050. As a result, the refunded bonds are considered to be defeased and the liability has been removed from the statement of net position. As of Sept. 30, 2017 the amount of refunded bonds that had yet to be called totaled \$49,795,000.

Missouri Department of Natural Resources
Clean Water State Revolving Fund
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Note 5: Arbitrage Rebate

In accordance with Internal Revenue Code Section 148(f) relating to arbitrage restrictions on tax-exempt bonds, an arbitrage rebate payable in the amount of \$345,071 has been recorded. This liability is cumulative for the Series 1996D, 1996E, and 2007A bonds. The portion of this pending rebate of excess investment earnings that is attributable to each series is due no later than 60 days after each installment computation date.

The next installment computation date for each series is as follows:

Bond Series	Next Installment Computation Date
1996D	01/01/2019
1996E	01/01/2019
2007A	01/01/2017

Note 6: Pension Plan

Plan Description

Benefit eligible employees of the department are provided with pensions through Missouri State Employees' Plan (MSEP) - a cost-sharing multiple-employer defined benefit pension plan administered by MOSERS. The plans are referred to as MOSERS in the notes. Chapter 104.320 of the Revised Statutes of Missouri grants the authority to establish a defined benefit plan for eligible state and other related agency employees. MOSERS issues an annual Comprehensive Annual Financial Report (CAFR), a publicly available financial report that can be obtained at www.mosers.org.

Benefits Provided

MOSERS provides retirement, disability, and life insurance benefits to eligible employees. The base retirement benefits are calculated by multiplying the employee's final average pay by a specific factor multiplied by the years of credited service. The factor is based on the specific plan in which the employee participates, which is based on the employee's hire date. Information on the three plans administered by MOSERS (MSEP, MSEP 2000, and MSEP 2011 retirement plans) and how eligibility and the benefit amount is determined for each plan may be found in the Notes to the Financial Statements of MOSERS' CAFR starting on page 28.

Missouri Department of Natural Resources
Clean Water State Revolving Fund
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Note 6: Pension Plan (continued)

Contributions

Per Chapter 104.436 of the Revised Statutes of Missouri, contribution requirements of the active employees and the participating employers are established and may be amended by the MOSERS Board. Employees in the MSEP 2011 Plan are required to contribute 4.0 percent of their annual pay. The agency's required contribution rate for the year ended June 30, 2017, was 16.97 percent of annual payroll, actuarially determined as an amount that, when combined with employee contributions, is expected to finance the costs of benefits earned by employees during the year, with an additional amount to finance any unfunded accrued liability. The contribution rate for the MOSERS plan year ended June 30, 2016, was 16.97 percent of annual payroll, actuarially determined as an amount that, when combined with employee contributions, is expected to finance the costs of benefits earned by employees during the year, with an additional amount to finance any unfunded accrued liability.

Contributions to the pension plan from the Clean Water SRF program were \$217,415 for the fiscal year ended June 30, 2017.

Pension Liabilities, Pension Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions

At June 30, 2017, a liability was reported of \$2,587,928 for the Clean Water SRF program's proportionate share of the net pension liability. The net pension liability was measured as of June 30, 2016, and the total pension liability used to calculate the net pension liability was determined by an actuarial valuation as of that date.

The Clean Water SRF program's proportion of the net pension liability was based on the department's actual share of contributions to the pension plan relative to the actual contributions of all participating employers for MOSERS plan year ended June 30, 2016. At the June 30, 2016 measurement date, the Clean Water SRF program's proportion was 0.0558 percent, a decrease from its proportion measured using 0.0575 percent as of June 30, 2015, measurement date.

There were no changes in benefit terms during the MOSERS plan year ended June 30, 2016, that affected the measurement of total pension liability.

Missouri Department of Natural Resources
Clean Water State Revolving Fund
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Note 6: Pension Plan (continued)

For the year ended June 30, 2017, the Clean Water SRF program recognized pension expense of \$461,952. At June 30, 2017, the Clean Water SRF program reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between expected and actual experience	\$ 31,626	\$ 8,972
Changes of assumptions	\$ 319,730	\$ 18,458
Net difference between projected and actual earnings on pension plan investments	\$ 501,738	\$ -
Changes in proportion and differences between CW SRF Program contributions and proportionate share of contributions	\$ -	\$ 3,114
CW SRF Program contributions subsequent to the measurement date of 6-30-16	\$ 223,661	\$ -
Total	\$ 1,076,755	\$ 30,544

\$223,661 reported as deferred outflows of resources related to pensions resulting from Clean Water SRF program contributions subsequent to the measurement date will be recognized as a reduction of the net pension liability in the year ended June 30, 2018. Other amounts reported as deferred (outflows) of resources and deferred inflows of resources related to pensions will be recognized in pension expense in the Clean Water SRF program's fiscal year following MOSERS' fiscal year as follows:

Plan Year ending June 30:

2018	\$(211,302)
2019	\$(211,326)
2020	\$(312,174)
2021	\$(87,748)
2022	\$ 0
Thereafter	\$ 0
	(\$822,550)

Actuarial Assumptions

The total pension liability in the June 30, 2016 actuarial valuation, which is also the date of measurement for GASB 68 purposes, was determined using the following actuarial assumptions, applied to all periods included in the measurement:

Inflation	2.5%
Salary Increases	3.25% to 8.75% including inflation
Wage Inflation	3.0%
Investment Rate of Return	7.65%, compounded annually, net after investment expenses and including inflation

Missouri Department of Natural Resources
Clean Water State Revolving Fund
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Note 6: Pension Plan (continued)

Mortality rates for post-retirement mortality are based on the RP-2014 Healthy Annuitant mortality table, projected to 2026 with Scale MP-2015 and scaled by 120 percent. The pre-retirement mortality table used is the RP-2014 Employee mortality table, projected to 2026 with Scale MP-2015 and scaled by 95 percent for males and 90 percent for females.

The actuarial assumptions used in the June 30, 2016 valuation were based on the results of an actuarial experience study for the period July 1, 2010 to June 30, 2015. As a result of this actuarial experience study, the MOSERS Board made various demographic and economic assumption changes to more closely reflect actual experience. The most significant changes included lowering the assumed annual investment rate of return from 8 percent to 7.65 percent and the adoption of the above mortality tables. The changes in assumptions recorded as deferred inflows and outflows of resources were due to these changes from the actuarial experience study.

The long-term expected rate of return on pension plan investments was determined using a building-block method in which best-estimates rates of expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. Best estimates of geometric real rates of return for each major asset class included in MOSERS target asset allocation as of June 30, 2016 are summarized in the following table:

Asset Class	Policy Allocation	Long-term Expected Real Rate of Return *	Weighted Average Long-Term Expected Real Rate of Return
Beta Balanced	80.0%	5.7%	4.6%
Illiquids **	<u>20.0%</u>	7.3%	<u>1.5%</u>
	100.0%		6.1%

*Represent best estimates of geometric rates of return for each major asset class included.

**Illiquid portfolio upper limit of 27.5 percent of capital, no new commitments past 23 percent.

Discount Rate

The discount rate used to measure the total pension liability was 7.65 percent. The projection of cash flows used to determine the discount rate assumed that employee contributions will be made at the current contribution rate and that contributions from employers will be made at required rates, actuarially determined. Based on those assumptions, the pension plan's fiduciary net position was projected to be available to make all projected future benefit payments of current active and inactive employees. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

**Missouri Department of Natural Resources
Clean Water State Revolving Fund
Notes to Financial Statements - Unaudited
Exhibit 9**

Note 6: Pension Plan (continued)

Sensitivity of the CW SRF Programs Proportionate Share of the Net Pension Liability to Changes in the Discount Rate

The following presents the Clean Water SRF program's proportionate share of the net pension liability calculated using the discount rate of 7.65 percent, as well as what the Clean Water SRF program's proportionate share of the net pension liability would be if it were calculated using a discount rate that is 1 percentage point lower (6.65 percent) or 1- percentage point higher (8.65 percent) than the current rate:

	1% Decrease (6.65%)	Current Discount Rate (7.65%)	1% Increase (8.65%)
Clean Water SRF Program's proportionate share of the net pension liability	\$ 3,407,684	\$2,587,928	\$1,900,634

Pension Plan Fiduciary Net Position

Detailed information about the pension plan's fiduciary net position is available in the separately issued MOSERS financial report.

Payables to the pension plan

As of June 30, 2017, the Clean Water SRF program had payables of \$11,659 to MOSERS because of benefits accrued for the Sept. 16 payroll that is not paid until after this reporting period, but earned during the reporting period.

Note 7: Net Position

The net position of the program is all restricted. The program's enabling legislation and related regulations require that all money in the fund may be used only for purposes of the program.

The program is capitalized by grants from the EPA, authorized by Title VI of the Clean Water Act, and matching funds from the state of Missouri. As of Sept. 30, 2017, the EPA has awarded capitalization grants totaling \$1,199,382,631 of which \$1,162,108,024 has been drawn. The total award amount includes \$100,000 in-kind amounts on each of the CS290001-11, CS290001-13, and CS290001-16 grants to pay for independent audits. CS290001-18 includes an in-kind amount of \$70,000 to pay for independent audits. CS290001-20 includes an in-kind amount of \$42,000 to pay for independent audits. These in-kind amounts are not available to be drawn. The table on the following page summarizes the capitalization grants awarded, amounts drawn on each grant, and balances available:

Missouri Department of Natural Resources
Clean Water State Revolving Fund
Notes to Financial Statements - Unaudited
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Note 7: Net Position (continued)

Grant ID	Grant Amount	Total Draws Sept 30, 2016	2017 Draws	Total Draws Sept 30, 2017	Available Sept 30, 2017
00290001-89	\$26,147,682	\$26,147,682	-	\$26,147,682	-
00290001-90	\$27,046,602	\$27,046,602	-	\$27,046,602	-
00290001-91	\$57,292,500	\$57,292,500	-	\$57,292,500	-
00290001-92	\$53,863,400	\$53,863,400	-	\$53,863,400	-
00290001-93	\$53,282,889	\$53,282,889	-	\$53,282,889	-
00290001-94	\$33,061,347	\$33,061,347	-	\$33,061,347	-
CS290001-95	\$34,135,876	\$34,135,876	-	\$34,135,876	-
CS290001-96	\$56,211,813	\$56,211,813	-	\$56,211,813	-
CS290001-97	\$17,277,282	\$17,277,282	-	\$17,277,282	-
CS290001-98	\$37,329,237	\$37,329,237	-	\$37,329,237	-
CS290001-99	\$37,332,405	\$37,332,405	-	\$37,332,405	-
CS290001-00	\$42,205,784	\$42,205,784	-	\$42,205,784	-
CS290001-06	\$39,050,360	\$39,050,360	-	\$39,050,360	-
CS290001-07	\$36,957,195	\$36,957,195	-	\$36,957,195	-
CS290001-08	\$36,799,045	\$36,799,045	-	\$36,799,045	-
CS290001-09	\$37,739,197	\$37,739,197	-	\$37,739,197	-
CS290001-10	\$29,872,359	\$29,872,359	-	\$29,872,359	-
CS290001-11	\$24,299,648	\$24,199,648	-	\$24,199,648	-
CS290001-12	\$29,670,498	\$29,670,498	-	\$29,670,498	-
CS290001-13	\$18,864,955	\$18,764,955	-	\$18,764,955	-
2W977080-01	\$108,641,800	\$108,641,800	-	\$108,641,800	-
CS290001-14	\$18,863,757	\$18,863,757	-	\$18,863,757	-
CS290001-15	\$56,483,000	\$56,483,000	-	\$56,483,000	-
CS290001-16	\$40,936,000	\$40,836,000	-	\$40,836,000	-
CS290001-17	\$57,679,000	\$57,679,000	-	\$57,679,000	-
CS290001-18	\$37,009,000	\$36,939,000	-	\$36,939,000	-
CS290001-19	\$38,868,000	\$38,868,000	-	\$38,868,000	-
CS290001-20	\$38,669,000	\$38,442,469	\$184,531	\$38,627,000	-
CS290001-21	\$37,039,000	-	\$36,930,393	\$36,930,393	\$108,607
CS290001-22	\$36,754,000	-	-	-	\$36,754,000
	\$1,199,382,631	\$1,124,993,100	\$37,114,924	\$1,162,108,024	\$36,862,607

**Missouri Department of Natural Resources
Clean Water State Revolving Fund
Notes to Financial Statements - Unaudited
Exhibit 9**

Note 7: Net Position (continued)

As of Sept. 30, 2017 the state match provided for the capitalization grants was as follows:

	<u>Sept 30, 2016</u>	<u>2017 Match</u>	<u>Sept 30, 2017</u>
State Appropriations	\$98,136,140	\$0	\$98,136,140
State Match GO Bonds	\$15,427,980	\$0	\$15,427,980
State Match Revenue Bonds	<u>\$100,631,600</u>	<u>\$0</u>	<u>\$100,631,600</u>
Total State Match	<u>\$214,195,720</u>	<u>\$0</u>	<u>\$214,195,720</u>

The state match bonds are being repaid with Clean Water SRF interest earnings and are not contributions to fund equity. The total state contribution to fund equity is \$100,280,433. This amount consists of the \$98,136,140 of state appropriations listed above, plus an additional \$2,144,293 that the state of Missouri contributed to pay part of the debt service on the state match general obligation bonds.

Note 8: Contingencies

The program is exposed to various risks of loss related to torts, theft of assets, errors or omissions, injuries to state employees while performing program business, or acts of God. The program maintains insurance through the state of Missouri for all risks of loss, which is included in the indirect costs allocated to the program. There have not been any claims against the program since its inception in 1989.

Note 9: Commitments

House Bill No. 1, Section 1.020, appropriates \$1,715,914 of interest earnings on the Water and Wastewater Loan Revolving Fund to be transferred to the Water Pollution Control Bond and Interest Fund in the 2017 reporting period for the payment of a portion of the debt service due on state general obligation bonds issued prior to 2002 that provided the state match for the Clean Water SRF program. Refer to the Bonds Payable section of Note 1.

Note 10: Subsequent Events

On April 5, 2017 the Clean Water Commission approved the annual loan administration fee being reduced from 1 percent annually to 0.5 percent annually for the Clean Water SRF, which went into effect immediately for new loan recipients. The department worked with bond counsel to amend the applicable ordinances and resolutions authorizing the reduced fee of 51 existing loans. The department approved the change in fees in December 2017, which went into effect on the Jan. 1, 2018 payments.

**Missouri Department of Natural Resources
Clean Water State Revolving Fund
Required Supplementary Information – Unaudited
Exhibit 10**

Schedule of Proportionate Share of the Net Pension Liability Last 10 Fiscal Years*

	<u>June 30, 2015</u>	<u>June 30, 2016</u>	<u>June 30, 2017</u>
Clean Water SRF proportion of the net pension liability	0.0556%	0.0575%	0.0558%
Clean Water SRF's proportionate share of the net pension liability	\$1,310,080	\$1,846,669	\$2,587,928
Clean Water SRF's covered-employee payroll	\$1,702,840	\$1,621,630	\$1,281,929
Clean Water SRF's proportionate share of the net pension liability as a percentage of its covered-employee payroll	76.93%	113.88%	201.88%
Plan fiduciary net position as a percentage of the total pension liability	79.49%	72.62%	63.60%

*Figures are based on a measurement date and actuarial valuation as of the end of the preceding fiscal year. This schedule is ultimately required to show information for ten years. Only the data for years currently available is displayed.

Schedule of Contributions Last 10 Fiscal Years*

	<u>June 30, 2015</u>	<u>June 30, 2016</u>	<u>June 30, 2017</u>
Required contribution	\$284,034	\$275,029	\$217,415
Contributions in relation to the required contribution	\$284,034	\$275,029	\$217,415
Contribution deficiency (excess)	\$0	\$0	\$0
Clean Water SRF program covered-employee payroll	\$1,702,840	\$1,621,630	\$1,281,929
Contributions as a percentage of covered-employee payroll	16.68%	16.96%	16.96%

*Figures are based on a measurement date and actuarial valuation as of the end of the preceding fiscal year. This schedule is ultimately required to show information for ten years. Only the data for years currently available is displayed.

Notes to the Schedule:

Changes of benefit terms: There were no changes to benefit terms in the plans for the year June 30, 2017.

Changes of assumptions: Economic and demographic assumptions were updated by the Board of Trustees on July 16, 2016 to be first effective for the June 30, 2016 valuation. The most significant changes to these assumptions were the reduction of the investment return assumption from 8 percent to 7.65 percent and the adoption of new mortality tables. Mortality rates for post-retirement mortality are now based on the RP-2014 Healthy Annuitant mortality table, projected to 2026 with Scale MP-2015 and scaled by 120 percent. The pre-retirement mortality table used is now the RP-2014 Employee mortality table, projected to 2026 with Scale MP-2015 and scaled by 95 percent for males and 90 percent for females.

Comparison of FFY 2017 IUP and Actual Loan Commitments

Applicant	Project Number	Description	Amount Requested	Status	Date	Amount	Comments
Arbyrd	C295811-01	TP Impr, Coll	1,534,105	Unfunded			Withdrew application
Ashland (PW)	C295710-01	TP, Coll Impr	6,600,000	Design			Target FY 2018
Aurora – Phase II	C295711-02	PS, I	1,307,050	Planning			
Belle	C295813-01	Coll Impr	633,571	Planning			Target FY 2018
Boone County RSD (Boli Road Coll Sys)	C295375-25	Coll, PS	248,808	Planning			Target FY 2019
Boone County RSD (Cedar Gate)	C295375-27	FM, PS, TP Impr	842,733	Planning			Target FY 2019
Boone County RSD (Lee Heights)	C295375-23	Coll, FM, PS	629,968	Planning			Target FY 2018
Boone County RSD (Oberlin Valley)	C295375-26	Coll, FM, PS	674,741	Planning			Target FY 2018
Boone County RSD (Phenora North Coll System)	C295375-24	Coll	372,099	Planning			Target FY 2019
Boone County RSD (South Route K)	C295375-21	TP Impr	5,275,628	Planning			Target FY 2019
Camden Point	C295275-02		4,101,000	Unfunded			Withdrew application
Carthage - WWTP Upgrades (PW)	C295809-01	TP Impr	6,000,000	Planning			Target FY 2018
Center	C295817-01		2,969,262	Unfunded			Did not submit a reapplication

Applicant	Project Number	Description	Amount Requested	Status	Date	Amount	Comments
Center Creek Wastewater Treatment Board (PW)	C295446-02		2,750,000	Design			Target FY 2018 Amount amended at July CWC meeting
Deer Run Creek Reorganized Common Sewer District	C295815-01	TP, Coll	2,542,500	Planning			
Drexel	C295803-01	TP, PS, I, Det	1,196,000	Planning			Target FY 2018
Duckett Creek Sewer District	C295819-01		10,320,000	Unfunded			Withdrew application
Duquesne (PW)	C295447-04	Coll	951,059	Unfunded			Did not submit a reapplication
Festus	C295305-03	Coll Exp, PS, FM	1,412,140	Planning			
Gravois Arm Sewer District - Phase 4	C295715-01	Coll	4,742,079	Planning			Target FY 2019
Kelso	C295195-02	TP	1,350,000	Planning			
Lake Ozark	C295646-02	Coll Rehab	2,722,674	Design			Target FY 2018
Lancaster	C295804-01		2,227,325	Planning			
Lathrop	C295821-01		6,245,200	Planning			Target FY 2018
Meadville (PW)	C295801-01	TP Imp	927,236	Planning			Target FY 2018
Memphis	C295802-01		4,007,850	Unfunded			Withdrew application
Milan (PW)	C295723-01	TP Rehab	354,192	Design			Target FY 2018
Missouri Agriculture & Small Business Development	C295212-09	NPS	500,000	Planning			
Moscow Mills	C295810-01	PS, I	2,357,035	Planning			Target FY 2019

Applicant	Project Number	Description	Amount Requested	Status	Date	Amount	Comments
MSD – Public I/I Reduction Program – Phase 3	C295023-38	I/I	20,000,000	Construction	12/22/2016	\$20,000,000	Extension of C295023-37
MSD - Public I/I Reduction Program - Phase 4 (PW)	C295023-39	I/I	75,500,000	Construction	12/22/2016	\$75,500,000	
MSD – Public I/I Reduction Program – Phase 5	C295023-40	I/I	40,000,000	Planning			Target FY 2018
Poplar Bluff	C295671-01	Impr, Rehab	18,119,172	Planning			
Purdy	C295818-01		4,154,300	Unfunded			Withdrew application
South Dunklin Co Reorganized Common Sewer District	C295816-01		1,315,990	Unfunded			Did not submit a reapplication
Spickard	C295823-01	TP	1,453,815	Planning			
Springfield	C295013-02	I/I	6,360,250	Unfunded			Withdrew application
St. Joseph (Blacksnake Creek Stormwater)	C295699-05	CSO	70,000,000	Construction	8/23/2017	\$66,850,000	
Sunrise Beach	C295540-02		3,384,050	Planning			
Tipton	C295293-02		1,677,000	Planning			
Troy	C295822-01	TP, I	18,579,000	Planning			Funding amount amended at July CWC, Target FY 2018
Unionville	C295720-01	Coll Rehab	2,475,881	Design			Target FY 2018

Applicant	Project Number	Description	Amount Requested	Status	Date	Amount	Comments
Weston	C295814-01	TP Impr, PS, Coll	4,000,000	Design			Target FY 2018, Funding amount amended at July 2017 CWC
Windsor	C295512-01	TP Impr	5,000,000	Planning			Target FY 2018

Clean Water SRF Source and Distribution of Loan Administration Fees				
Fund 0568				
For Reporting Period of October 1, 2016 through September 30, 2017				
2017 Reporting Period Income	Program Income Earned During Grant Period	Program Income Earned After Grant Period	Non-Program Income	Total
FY17 Income	\$ 137,091	\$ 3,643,683	\$ 4,717,216	\$ 8,497,990
FY17 Interest Earnings	\$ 11,546	\$ 159,075	\$ 117,662	\$ 288,283
Subtotal	\$ 148,637	\$ 3,802,758	\$ 4,834,878	\$ 8,786,273
State Fiscal Year Expenses				
FY17 Personnel Services	\$ (310,351)	\$ (452,694)	\$ (63,550)	\$ (826,595)
FY17 Fringe	\$ (146,023)	\$ (210,679)	\$ (28,097)	\$ (384,799)
FY17 Equipment & Expenses	\$ (190,791)	\$ (1,361,893)	\$ (755,476)	\$ (2,308,160)
FY17 PSD Expenditures	\$ -	\$ (3,947,088)	\$ (2,058,961)	\$ (6,006,049)
FY17 DNR Transfers	\$ (57,993)	\$ (63,669)	\$ (67,029)	\$ (188,691)
FY17 ITSD Transfers	\$ (63,337)	\$ (68,219)	\$ (74,760)	\$ (206,316)
FY17 HB 13 Transfers	\$ (19,643)	\$ (27,126)	\$ (26,153)	\$ (72,922)
FY17 OA Cost Allocation	\$ -	\$ -	\$ -	\$ -
FY17 State Owned Expenditures	\$ -	\$ -	\$ -	\$ -
	\$ (788,138)	\$ (6,131,368)	\$ (3,074,026)	\$ (9,993,532)
Subtotal	\$ (639,501)	\$ (2,328,610)	\$ 1,760,852	\$ (1,207,259)

Missouri Assistance by Summary of Uses
All Primary and Secondary Uses - National Use Codes

Use Type	Code	Description	Millions of Dollars		
			Total	Protect	Restore
DESIGNATED	US001	Drinking Water	1,176.3	1,005.1	171.2
	US002	Aquatic Life & Wildlife	2,456.2	2,045.1	411.1
	US003	Primary Contact Recreation	1,313.7	1,192.1	121.6
	US004	Secondary Contact Recreation Fish	396.1	366.3	29.8
	US005	Consumption	1,263.4	992.4	271.0
	US008	Agricultural Water Supply	1,487.1	1,301.4	185.7
	US010	Aesthetic Value	8.4	5.4	3.0
	US099	Other	103.9	37.0	66.9
	US911	Industrial Water Supply/ Navigation	505.4	505.4	0.0
OTHER	OD001	Drinking Water Supply (e.g., groundwater source)	82.8	82.4	0.3
	OG001	Groundwater Protection	119.9	116.8	3.1
	OI001	Industrial	273.7	234.3	39.4
	OI002	Infrastructure Improvement	2,103.2	1,655.2	448.1
	OO001	Other Public Health/Pathogen Reduction	797.3	741.0	56.3
	OO002	Other	58.1	35.1	23.0
	OR001	Regionalization/Consolidation	205.8	176.9	28.9
	OS001	Security	14.7	14.7	0.0
	OW001	Water Reuse/Recycling/Conservation	147.4	146.0	1.4
	OW002	Wetland Restoration	14.7	14.7	0.0

All Dates from 7/1/1988 thru 10/1/2017



Water Protection - Financial Assistance Center

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